

**RCRA FACILITY ASSESSMENT REPORT  
FOR  
MARINE CORPS BASE  
CAMP LEJEUNE, NORTH CAROLINA**

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## List of Acronyms

AOC	Areas of Concern
ASTs	Aboveground Storage Tanks
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CMI	Corrective Measures Implementation
CMS	Corrective Measures Study
DEM	Department of Environmental Management
DRMO	Defense Reutilization and Marketing Office
DRMS	Defense Reutilization and Marketing Service
EMD	Environmental Management Department
EnSafe	Environmental and Safety Designs, Inc.
FFA	Federal Facilities Agreement
FS	Feasibility Study
ft <sup>2</sup> /day	Feet Squared Per Day
gpm/ft	Gallon per Minute per foot
HM/HW	Hazardous materials/hazardous waste
HSWA	Hazardous and Solid Waste Amendments
IAS	Initial Assessment Study
IRP	Installation Restoration Program
LUST	Leaking Underground Storage Tank
MCAS	Marine Corps Air Station
MCB	Marine Corps Base
msl	Mean Sea Level
NACIP	Navy Assessment and Control of Installation Pollutants
NBC	Nuclear, Biological, and Chemical
NCAC	North Carolina Administrative Code
NCDEHNR	North Carolina Department of Environment, Health, and Natural Resources
NFA	No Further Action
No <sub>x</sub>	Nitrogen Dioxide
NPDES	National Pollutant Discharge Elimination System

OB/OD	Open Burning and Open Detonation
OU	Operable Unit
ppt	Parts per thousand
RAB	Restoration Advisory Board
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RI	Remedial Investigation
SAA	Satellite Accumulation Area
SARA	Superfund Amendments and Reauthorization Act
SMP	Site Management Plan
SO <sub>x</sub>	Sulfur Dioxides
SWMUs	Solid Waste Management Units
USEPA	U.S. Environmental Protection Agency
USMC	U.S. Marine Corps
UST	Underground Storage Tank
VOC	Volatile Organic Compound
VSI	Visual Site Inspection

## EXECUTIVE SUMMARY

Marine Corps Base (MCB) Camp Lejeune has taken a Resource Conservation and Recovery Act (RCRA) Facility Assessment conducted in 1989 by the U.S. Environmental Protection Agency and the North Carolina Department of Environment, Health, and Natural Resources (NCDEHNR), and expanded it to include units such as landfills, surface impoundments, waste piles, tanks, container storage, septic tanks, drain fields, wastewater treatment plants, and storm water conveyances. MCB Camp Lejeune's effort included the review of environmental files, documents, and reports. From this review, a list of potential solid waste management units (SWMUs) was developed. This assessment covered more than 3,500 units. Nearly 500 were visited to obtain factual design, process, and release information. Each unit was screened and categorized into one of four groups: 1) those with no release potential, 2) those being addressed under the Installation Restoration (IR) Program in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act, 3) those being addressed under the IR Underground Storage Tank program in accordance with NCDEHNR requirements, and 4) those having a release potential under RCRA corrective action, requiring confirmatory sampling.

Unit types with multiple locations, such as dumpsters, sewer systems, storm water conveyance systems, silver recovery process units, solvent vats, grease traps, and used oil tanks, were added to general unit descriptions. Based on a random review of a few locations of each unit type, the general unit type is categorized into one of the four groups.

This report identifies 41 IR sites, 56 SWMUs, and other sites (Storm Water Ponds 7 and 13 and Dumpster FC-286) requiring confirmatory sampling or corrective measures. The remaining units are recommended for no further action based on preliminary review and site visit evidence. These facilities are active and conditions are subject to change. However, MCB Camp Lejeune has a management structure in place to minimize releases of hazardous waste and constituents.

This assessment is not designed to provide all information reviewed, but rather to summarize the available information used. This assessment may be used by USEPA and NCDEHNR as an updated RCRA Facility Assessment or as a basis on which to conduct its own.

## **1.0 INTRODUCTION**

The purpose of this report is to provide an assessment of potential solid waste management units (SWMUs) and other areas of concerns (AOCs) at Marine Corps Base (MCB) Camp Lejeune, Onslow County, North Carolina. The primary objective is to identify SWMUs and AOCs requiring corrective action to clean up releases of hazardous waste or hazardous constituents that threaten human health or the environment. This report provides the results of MCB Camp Lejeune's program for identifying and assessing sites of actual or potential releases. A goal of this report is to provide MCB Camp Lejeune Environmental Management Department (EMD) manager and North Carolina Department of Environment, Health, and Natural Resources (NCDEHNR) with a complete as possible list of potential SWMUs and AOCs and to satisfy the Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) requirement under RCRA Corrective Action. In preparing this document, MCB Camp Lejeune took a more conservative definition of SWMUs than was taken in the 1989 RFA. This assessment covers more than 3,500 units.

### **1.1 MCB Camp Lejeune's RCRA Corrective Action Regulatory History**

This section presents an overview of MCB Camp Lejeune's RCRA permitting and corrective action history. MCB Camp Lejeune was issued a RCRA Part B Permit to operate a hazardous waste container storage facility in September 1984 (EPA ID No. NC6170022580) for the long-term hazardous material/hazardous waste (HM/HW) container storage facility (Buildings TP-451 and TP-463). This permit was issued prior to the enactment of the Hazardous and Solid Waste Amendments of 1984 (HSWA), which under Section 3004(u) empowers the U.S. Environmental Protection Agency (USEPA) to order corrective action at treatment, storage, and disposal facilities. This RCRA section requires corrective action to be taken for all releases of hazardous waste or hazardous constituents from any SWMU.

A SWMU is defined by NCDEHNR as: "Any discernible unit which has been used for the treatment, storage, or disposal of solid waste at any time, irrespective of whether the unit is or ever was intended for management of solid waste. RCRA regulated hazardous waste management units are also solid waste management units. Solid Waste Management Units include areas which have become contaminated by routine and systematic releases of hazardous waste or hazardous constituents, excluding one-time accidental spills that are immediately remediated and cannot be linked to solid waste management activities (e.g., product and process spills)."

A unit is defined as: "includes, but is not limited to, any landfill, surface impoundment, waste pile, land treatment unit, incinerator, injection well, tank, container storage area, septic tank, drain field, waste water treatment unit, elementary neutralization unit, transfer station, or recycling unit."

RCRA corrective action can have five stages: RCRA facility assessment, interim measure, RCRA facility investigation (RFI), corrective measures study (CMS), and corrective measures implementation (CMI). An RFA, the initial study in response to a real or suspected release, is typically conducted by regulatory agencies but can also be conducted by the facility owner/operator. The RFA may contain three phases: preliminary review, visual site inspection (VSI), and sampling visit. The preliminary review is gathering documents to identify potential SWMUs or AOCs. The VSI is the inspection of identified sites to document the unit type, waste stored, condition of the unit, release pathways, and visible evidence of a release. The sampling visit is the collection and analysis of various media samples to confirm if a release has or is occurring. An interim measure is for the immediate response to a release of hazardous constituents which is imminently endangering human health or the environment. An RFI is the process of characterizing the nature and extent of a release. The CMS is the process of evaluating and selecting technologies to address released hazardous constituents. CMI is the implementation of selected technologies.

USEPA Region IV Federal Facilities Section and NCDEHNR conducted an RFA in January 1989. MCB Camp Lejeune has received only the draft results of this study.

The draft RFA report presented the results of an extensive file survey and the RFA site inspection, in accordance with the requirements of Section 3004(u) of RCRA. The draft RFA report covered 76 sites, 23 of which were determined to require RFIs. Seven required RFA sampling visits and 46 required no further action (NFA). Several of these sites are contained within Operable Units of MCB Camp Lejeune's Installation Restoration Program (IRP). A copy of the Draft RFA is included as Appendix A. The sites requiring action are being addressed under the IRP in accordance with a multiple governmental Federal Facilities Agreement (FFA). The RFA integrated the Department of Navy's future RCRA/HSWA responsibilities with ongoing activities at MCB Camp Lejeune under the Comprehensive Environmental Response, Compensation, and Liability Act and the Superfund Amendments and Reauthorization Act (CERCLA/SARA).

In February, 1994 MCB Camp Lejeune submitted a RCRA Part B Permit Renewal Application for operating a hazardous waste container storage facility and to construct a replacement conforming storage facility. Section L of the permit application contained the results of the "draft" RFA and the status of the IRP. Since the permit renewal application submittal, MCB Camp Lejeune as owner/operator of a facility regulated under RCRA, conducted a preliminary review and VSI on potential SWMUs or AOCs. More than 3,500 sites or units were identified during a preliminary review of base records. VSIs were conducted on more than 600 of these sites. This report summarizes the preliminary review and VSI findings in the following text, figures, and attached 340 site summary forms, site sketches, site photographs, and other data. This report contains the information specified in Title 40 Code of Federal Regulations (CFR) Part 270.14(d).

For purposes of the Part B permit application, the facility owner and operator is the Commanding General, MCB Camp Lejeune. The RCRA Part B Permit contains elements that ensure proper day-to-day operations, process inspection requirements, and remedial action procedures when inspections identify problems.

MCB Camp Lejeune maintains a Contingency Plan for HM/HW emergencies. The facility is essentially self-contained for emergency response to fires, explosions, and spills. The base maintains nine 24-hour fire departments for fire responses and mobile control equipment for spill responses. The facility also maintains a personnel training program for the HW management program.

A Subpart X, miscellaneous use Part B permit application was submitted in November 1988 for the treatment (open burning/open detonation [OB/OD]) of military ordnance. As of July 1996, the permit is still in review by USEPA and state regulators. MCB Camp Lejeune has been granted interim status to conduct OB/OD treatment operations.

## **1.2 Project Scope of Work**

The scope of this project was to conduct a facility assessment to identify units that potentially meet NCDENHR's definition of a SWMU. The scope includes units already permitted or being investigated under current environmental programs.

As part of the project, information and documentation from the current base Hazardous Materials Pollution Prevention Plan, the RCRA Corrective Measures Cost Study, the Hazardous Waste Storage Site Plan, the Industrial Waste Collection and Treatment Facilities plans, the Storm Water Discharge Study, and many other studies providing relevant information on potential SWMUs and AOCs have been incorporated into this report. Many of the documents used to prepare this document are in the files of NCDEHNR.

Robert Moser, Chris McKeeman, Lisa Bennett, and Brian Mulhearn of Environmental and Safety Designs, Inc. (EnSafe), inspected approximately 300 units from November 15 to December 10, 1993. Additionally, EnSafe's Robert Moser and Chuck Mason inspected another 31 units and reinspected 18 units from July 1 to 3, 1996. MCB Camp Lejeune personnel inspected more than 180 solid waste dumpsters out of more than 3,000 in April 1996.

As part of the unit inspection, EnSafe performed the following tasks:

- Verified the existence of the potential SWMUs and AOCs identified during the document review, excluding CERCLA/FFA, RCRA closures, and underground storage tank (UST) sites previously reviewed.
- Reviewed areas, due to visual observation or discussion with base personnel, indicating the potential of being previously unidentified SWMUs or AOCs.
- Verified and obtained factual information to properly characterize units, including visual inspection of the units/areas, discussions with key personnel responsible for the proper management of said units/areas, and photographing all units/areas to illustrate current conditions. Complete characterization of each potential SWMU and AOC includes:
  - Type of unit
  - Period of operation
  - Physical description and condition
  - Waste managed
  - Release pathways
  - History or evidence of a release
  - Recommendation

- Reviewed site information with Camp Lejeune EMD representatives and collected additional information to determine and recommend necessary further actions, if any.

### **1.3 Contents of Report**

This report presents the results of the records and unit reviews by EnSafe and MCB Camp Lejeune personnel. This report combines the effort of MCB Camp Lejeune and EnSafe. Information for this assessment and report was obtained during the VSI and from documents and reports and includes:

- Wastestreams and the specific solid wastes generated, handled, or otherwise managed onsite at more than 3,500 units.
- Potential SWMUs, both active and inactive, included in the units reviewed, including CERCLA/FFA, RCRA closure, and UST sites.
- Potential AOCs based on the likelihood of past or continuing releases to the environment from the units reviewed.

Section 2 of this report describes the operations (current and past) at MCB Camp Lejeune. Section 3 provides an overview of the facility's environmental setting, including meteorology, air quality, floodplain, surface water, geology, soil, groundwater, and receptor information. Section 4 presents an overview of release pathways at the facility, including the potential for releases to soil, groundwater, surface water, air, subsurface gas, and soil. Section 5 provides a brief discussion on MCB Camp Lejeune's environmental programs. Section 6 discusses the SWMUs and AOCs identified during the file review and VSI. Section 7 summarizes conclusions and suggested further actions for individual units. Section 8 lists references.

## **2.0 FACILITY AND PROCESS INFORMATION**

This section of the report includes the facility location, historical and current operations, a brief description of each unit identified, and the wastes managed at each unit.

### **2.1 Location**

MCB Camp Lejeune is within Onslow County (southeastern North Carolina), approximately 45 miles south of New Bern, North Carolina, and 47 miles north of Wilmington, North Carolina. MCB Camp Lejeune is on the southeast coast of North Carolina with a 12-mile oceanfront extending from Bear Inlet to New River Inlet and encompassing approximately 234 square miles of land and water. A vicinity map (Figure 2-1) illustrates MCB Camp Lejeune's location in North Carolina.

### **2.2 History and Current Operations**

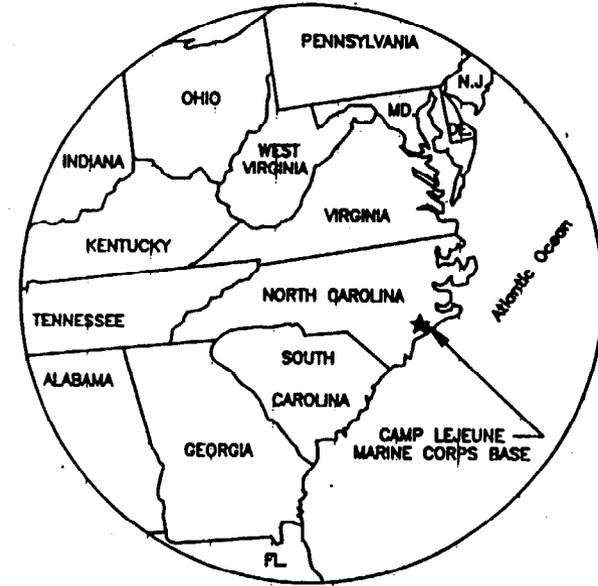
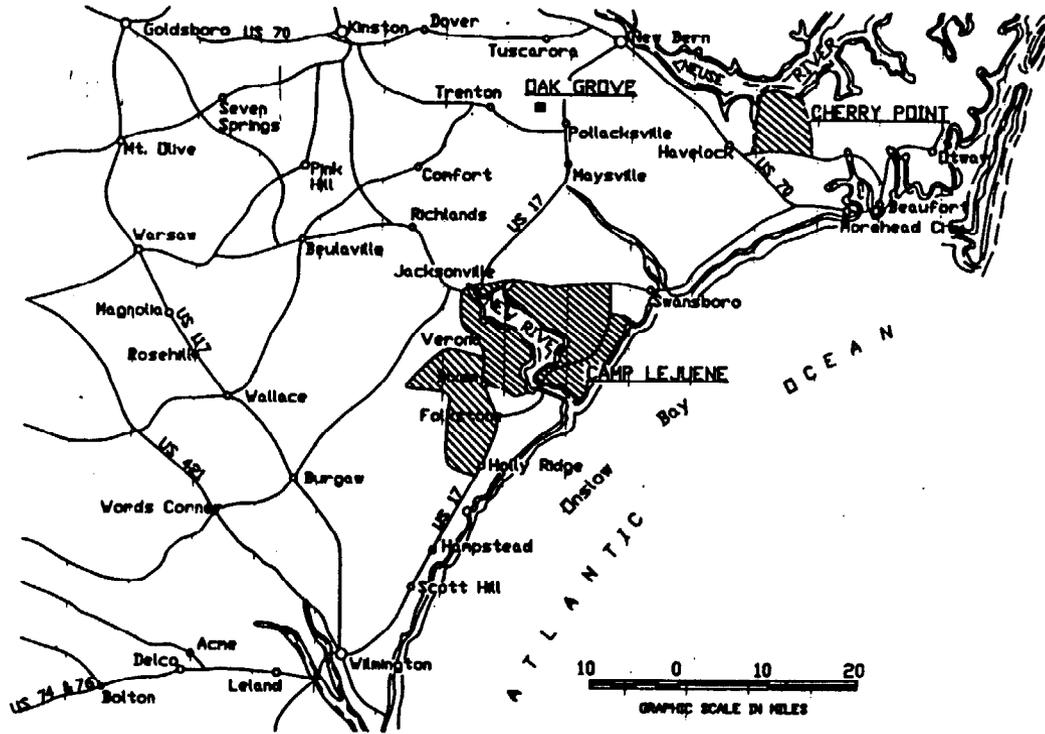
Site selection for "The World's Most Complete Amphibious Training Base" was made in the 1940s. The camp's construction began in 1941 after extensive land acquisition.

Base construction started on Hadnot Point, where the major functions were centered. As the facility grew and developed, Hadnot Point became crowded with maintenance and industrial activities. Overcrowding led to creating a master plan addressing these and other current and potential problems.

During World War II, Camp Lejeune was a training area to prepare Marines for combat. This function continued during the Korean and Vietnam wars. Toward the end of World War II, the camp was designated as a home base for the Second Marine Division. Since then, Fleet Marine Force units also have been stationed here as tenant commands.

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FIGURE 2-1  
VICINITY MAP  
MARINE CORPS. BASE  
CAMP LEJEUNE, N.C.

DWG DATE: 02/07/96 | DWG NAME: LEJEUNA1

By 1945, construction in the Montford Point, Camp Geiger, and Courthouse Bay areas was complete. Montford Point, originally designated for troop training, now is used for Marine Corps Service Support Schools. In the 1940s, recent recruits from Parris Island received tactical training at Camp Geiger. This practice has ended. Courthouse Bay conducts amphibious training, while Paradise Point still houses commissioned personnel. Noncommissioned housing is provided in Tarawa Terrace I and II, Midway Park, and other designated areas.

Marine Corps Air Station (MCAS) New River was set up as a separate command in 1951. At that time, the area was designated Peterfield Point, but the name was changed in 1968. In 1942, three runways were added and the station came under the jurisdiction of MCAS Cherry Point. During this time a squadron was based here and the facility was also used for glider training (NAVFACENGCOM, 1975). During the Korean War, New River was used as a helicopter training base and for jet-fighter touch-and-go training exercises (Water and Air Research, Inc., 1983).

In 1968, Marine Corps Outlying Landing Field Oak Grove was placed under MCAS New River's jurisdiction. The field was under the command of MCAS Cherry Point. At the end of the Vietnam War, all structures were destroyed except for runways.

### **2.3 Summary of Waste Handled**

MCB Camp Lejeune generates a wide variety of hazardous wastes either from use of hazardous materials or from expired shelf-life hazardous materials. Hazardous wastes generally can be classified as waste batteries; waste oil filters; patch test fluid; waste solvent; waste nuclear, biological, and chemical (NBC) gear; waste paint; discarded commercial chemical products; and others.

Waste batteries are made up of lithium, magnesium, mercury, nickel-cadmium, and electrolyte. Lithium batteries are used in communications and high-tech weaponry equipment. Lithium batteries, which are spent or discarded without being deactivated, exhibit the reactivity RCRA characteristic (HW No. D003). Magnesium and mercury batteries are used in communications equipment and exhibit the RCRA characteristic for chromium and mercury (HW Nos. D007 and D009, respectively). Nickel-cadmium batteries are used in power avionics and communications equipment and exhibit RCRA characteristic for cadmium (HW No. D006). Waste battery electrolyte is generated when lead-acid batteries are drained, wet cell nickel-cadmium batteries are discarded, or when waste electrolyte is discarded. Electrolyte can exhibit the RCRA characteristic of corrosivity, and/or lead, and/or cadmium, depending on lead or cadmium's presence (HW Nos. D002, D008, and D006).

Waste oil filters routinely are generated from vehicle and aircraft maintenance. These oil filters have either terne-plated or non-terne-plated casings. Terne-plated used oil filters exhibit the RCRA characteristic for lead (HW No. D008).

Freon is used in testing hydraulic systems for leaks. This test procedure results in hydraulic fluid becoming mixed with Freon. Freon is a listed RCRA hazardous waste (HW No. F002). This mixture is recycled at Building AS-605 (MCAS New River) in a batch distillation process to recover the Freon for reuse.

Various solvents — methyl ethyl ketone, toluene, xylene, and methylene chloride — are used in vehicle, military hardware, and aircraft maintenance. These waste solvents either exhibit a RCRA characteristic or are listed as a RCRA hazardous waste (HW Nos. D001, D018 to D043, and F001 to F005). Another solvent, PD-680, is widely used in part washers at MCB Camp Lejeune. However, PD-680 does not exhibit a RCRA characteristic nor is it a listed RCRA hazardous waste.

Waste NBC items (i.e., decontamination kits, charcoal filters/canisters, antidote kits, et al.) exhibit a number of RCRA characteristics (HW Nos. D001, D002, D003, and D008). These items are usually generated due to training use or expired shelf-life.

Two categories of waste paint are generated: enamel and chemical-resistive coating paint. Also, there are additional categories of waste paint, such as epoxy and oil-based paint. These paints are collected into single containers for disposal. These paints may exhibit a RCRA characteristic and/or contain a RCRA-listed hazardous waste (HW Nos. D001, D007, D008, D018 through D043, and F001 through F005).

The Naval Hospital is a major generator of discarded commercial chemical products, mostly due to expired shelf-life. Discarded items can exhibit a RCRA characteristic and/or contain a RCRA listed hazardous waste. Their generation rates vary.

### **3.0 ENVIRONMENTAL SETTING**

This section of the report reviews topography, meteorology, air quality, floodplain, surface water, geology, soil, groundwater, and receptor information for MCB Camp Lejeune.

#### **3.1 Topography**

The generally flat topography of MCB Camp Lejeune is typical of the seaward portions of the North Carolina coastal plain. Elevations on the base vary from sea level to 72 feet above mean sea level (msl); however, the elevation of most of Camp Lejeune is between 20 and 40 feet msl. The coast is guarded by a 200- to 500-foot-wide barrier island complex. Elevations of the dune field on the barrier islands range from 10 to 40 feet above msl. Drainage at Camp Lejeune is predominantly toward the New River, although areas near the coast drain directly toward the Atlantic Ocean through the Intracoastal Waterway. In developed areas, natural drainage has been changed by drainage ditches, storm sewers, and extensive concrete and asphalt areas.

The base's principal watershed drainage areas are French River, Northeast Creek, Southwest Creek, Wallace Creek, French Creek, Bear Creek, Freeman Creek, and Duck Creek. However, because of the topography's shallow slope, and the relatively few streams, drainage is the most critical factor determining the soil's suitability for development. The base is encompassed by vast areas of pocosins and swamplands that evolved because of these topographic features.

Flooding is a potential problem for base areas within the 100-year floodplain. The U.S. Army Corps of Engineers has mapped the limits of 100-year floodplain at Camp Lejeune at 7 feet above msl in the upper reaches of the New River (Natural Resource Management Plan, 1975). The elevation of the 100-year floodplain increases downstream and is 11 feet above msl on the open coast.

### **3.2 Meteorology and Air Quality**

The average monthly precipitation for the MCB Camp Lejeune vicinity is 4.5 inches. The greatest amount of monthly precipitation occurs in June, July, and August, with July having approximately 7 inches of rainfall. The least precipitation occurs in November and December, when average monthly rainfalls are approximately 3 inches.

The North Carolina coastal plain area in which MCB Camp Lejeune is located has mild winters. Summers are humid with typically elevated temperatures. Rainfall usually averages more than 50 inches per year. Potential evapotranspiration in the region varies from 34 to 36 inches of rainfall equivalent per year. Winter and summer are the usual wet seasons. Temperature ranges are reported to be 33°F to 53°F in January and 71°F to 88°F in July for an annual average temperature of 61°F. Winds during the warm seasons are generally south-southwesterly while north-northwesterly winds predominate in winter. There is a relatively long growing season of 230 days.

The Southern Coastal Plain Intrastate Air Quality Control Region (North Carolina) comprises the territorial area made up by the following counties: Brunswick, Lenoir, Carteret, New Hanover, Columbus, Onslow, Craven, Pamlico, Duplin, Pender, Greene, Wayne, and Jones.

Air quality concentrations within the region for sulfur dioxides (SO<sub>x</sub>, primary and secondary), nitrogen dioxide (NO<sub>x</sub>), carbon monoxide, and photochemical oxidants are below secondary standards. For particulate matter, air quality concentrations are below primary standards and generally below secondary standards.

The county's two air quality sampling stations are both in Jacksonville. The base has no air quality sampling stations. The Jacksonville stations are monitored by the North Carolina Department of Environmental Management (DEM). The station in Jacksonville City Hall

measures only particulates and the station at the sewage treatment plant measures particulates, SO<sub>x</sub>, and NO<sub>x</sub>.

Some pollutants originate from natural sources, including salt nuclei in water vapor drifts from the Atlantic Ocean, organic vapors from marshlands and forests, and dusts of wilderness origin. Man-made sources, such as automobiles and helicopters, produce pollutants composed of suspended particulates, hydrocarbons, NO<sub>x</sub>, and carbon monoxide.

MCB Camp Lejeune has eight steam-generating plants. The main generating plant, Building 1700, is permitted to burn both coal and No. 6 or No. 2 fuel oil 50% of the time. These are the major sources of air pollution on base. When burning coal, the power plant is a major contributor of SO<sub>x</sub>, NO<sub>x</sub>, and particulate emissions.

Also contributing to base air quality problems are the many types of military ordnance detonated and burned during normal Marine training operations. Although base air monitoring results for these activities do not exist, the effects of these operations have been documented within the Headquarters U.S. Army Armament, Munitions, and Chemical Command, Final Reports, *Development of Methodology and Technology for Identifying and Quantifying Emission Products from Open Burning and Open Detonation Thermal Treatment Methods—Bangbox Test Series Volume 1 Test Summary*, January 1992 and *Development of Methodology and Technology for Identifying and Quantifying Emission Products from Open Burning and Open Detonation Thermal Treatment Methods — Field Test Series Volume 1 Test Summary*, January 1992. These tests are somewhat limited due to the narrow scope of explosives used but do lend relevant information to the potential extent of air contamination caused by OB/OD activities.

### **3.3 Floodplain and Surface Water**

The dominant surface water feature at MCB Camp Lejeune is the New River, which receives drainage from most of the base. The New River is short, with a course of approximately 50 miles on the central coastal plain of North Carolina. Over most of its course, the New River is confined to a relatively narrow channel entrenched in the Eocene Oligocene limestones. South of Jacksonville, the river widens dramatically as it flows across less-resistant sand, clay, and marl. At MCB Camp Lejeune, the New River flows southerly and empties into the Atlantic Ocean through the New River Inlet. Several small coastal creeks drain the area of MCB Camp Lejeune that is not drained by the New River and its tributaries. These creeks flow into the Intracoastal Waterway, which is connected to the Atlantic Ocean by Bear Inlet, Brown's Inlet, and the New River Inlet.

The standard stream flow measurements employed by the U.S. Geological Survey are not applicable in low-gradient, tidal conditions. This condition may explain why stream flow in the New River below Jacksonville has not been determined. The tides at New River Inlet have a normal range of 3 feet and a spring range of 3.6 feet. The tidal range diminishes upstream to approximately 1 foot at Jacksonville. The flood tidal prism entering the New River Inlet in one tidal cycle was determined to be approximately  $2.35 \times 10^5$  cubic feet.

The average annual runoff of the MCB Camp Lejeune area has not been determined; however, Craven and Carteret counties, to the northeast, have an average annual runoff of approximately 18 inches. The groundwater contribution to runoff in the same area northeast of MCB Camp Lejeune is estimated as 65% of total runoff.

The water in the New River at MCB Camp Lejeune is brackish, shallow, and warm. Salinity is largely a function of distance from the ocean and rainfall. At Jacksonville, the New River may reach salinities of 10 parts per thousand (ppt) during extended periods of low rainfall.

However, near the New River Inlet, river salinity is usually equivalent to that of sea water (35 ppt). Salinities near the inlet lower significantly only during heavy rain.

Quality criteria for surface waters in North Carolina have been published under Title 15 of the North Carolina Administrative Code (NCAC). New River at MCB Camp Lejeune falls into two classifications. Classification "SC" applies to three areas of the New River at MCB Camp Lejeune. Class SC water is best for fishing, secondary recreation, and other uses except primary recreation or shellfishing for market purposes. The rest of the New River at MCB Camp Lejeune is Class "SA," the highest estuarine classification. Class SA water is best for shellfishing for market purposes and any other uses specified by the SB or SC classifications.

### **3.4 Geology and Soil**

The geology of the Atlantic Coastal Plain physiographic province is typically a seaward-thickening wedge of sediment on a basement complex of igneous and metamorphic rock similar to that at the surface in the Piedmont physiographic province. Coastal plain sediment varies in age from Cretaceous to Recent and consists of layers of sand, silt, clay, marl, limestone, and dolostone.

A mantle of Pleistocene and Recent sand and clay commonly covers the older sediment of the area. Beneath this mantle is a belted subcrop pattern with Cretaceous sediment nearest the surface in the west and progressively younger sediment nearest land surface toward the coast.

Although the sedimentary sequence is approximately 1,400 to 1,700 feet thick beneath MCB Camp Lejeune, only the uppermost 300 feet are pertinent for this report because these strata contain the important water-bearing rocks at MCB Camp Lejeune.

The Eocene Castle Hayne Limestone consists of shell limestone, marl, calcareous sand, and

clay. In Onslow County, the Castle Hayne varies approximately from 100 feet to more than 200 feet thick. Rocks of Oligocene age unconformably overlie the Castle Hayne. This sediment consists of fossiliferous limestone, calcareous sand, and clay and is equivalent to the Trent Formation. In the subsurface of Onslow County, rocks of Oligocene age vary from approximately 40 feet to more than 200 feet thick. The Yorktown Formation overlies the Oligocene and outcrops in a band east and south of Jacksonville. This unit consists of lenses of sand, clay, marl, and limestone. The Yorktown Formation has long been considered late Miocene, but the latest correlation charts date it in the Pliocene.

There are 25 different soil series of varying structures ranging from sandy loam to fine sand and muck, but the soil type generally is classified as sandy loam. Some of the soil is low in organic matter and fertility, but most of the land produces abundant crops of timber and foliage for wildlife.

### **3.5 Groundwater**

The uppermost 300 feet of sediment at MCB Camp Lejeune is its source of fresh water. Brackish water usually is found deeper than 300 feet below msl. In general, the aquifer system consists of a water table aquifer and one or more semiconfined aquifers. Confining beds lie between the two aquifer systems and between the layers of the semiconfined aquifers. Variations in the local hydrogeology result from the complex depositional history of the area.

The uppermost hydrogeologic unit, the water table aquifer, extends from land surface to the first confining bed. This aquifer consists of sand, silt, limestone, and small amounts of clay. The sediment is usually Pliocene and younger.

The water table aquifer recharges when rainfall seeps into the ground and percolates into the zone of saturation. Depth to the zone of saturation is 10 feet or less at MCB Camp Lejeune.

Groundwater in the water table aquifer generally flows from upland areas toward stream valleys, where it discharges to surface water. In interstream areas, some groundwater will flow from the water table aquifer to the first semiconfined aquifer as recharge, given favorable hydraulic gradient and geology.

The semiconfined aquifer comprises limestone and calcareous sand of the Eocene Castle Hayne Limestone, the Oligocene Trent Formation, and, in some places, sand and limestone of the Pliocene Yorktown Formation. Regional groundwater flow in the semiconfined aquifer is southeast. The regional flow is altered locally by pumping wells penetrating this aquifer.

Transmissivity of the limestone aquifer in the central coastal plain of North Carolina varies from 6,100 square feet per day (ft<sup>2</sup>/day) to 12,000 ft<sup>2</sup>/day. Storage varies from  $2.6 \times 10^{-3}$  to  $7.4 \times 10^{-5}$ . Specific capacity of wells at MCB Camp Lejeune was reported as 5 to 10 gallons per minute per foot of drawdown (gpm/ft) in 1960. Recent data indicate the specific capacity of the wells tapping the semiconfined aquifer at MCB Camp Lejeune varies from less than 3 gpm/ft to approximately 20 gpm/ft. The confining units, where present, consist of clay, sandy clay, silty clay, and occasionally dense limestone. These units occur as discontinuous lenses and may be present at any depth.

The major aquifers on the coast include those in the Eocene Castle Hayne Limestone, the Miocene Yorktown and Duplin Formations, and the post-Miocene surficial deposits. Aquifers in the Paleocene Beaufort Formation and in minor Miocene and Pliocene deposits are important in some localized areas. Water quality is widely varied in terms of total dissolved solids, chlorine, iron, hardness as calcium carbonate, corrosiveness, and objectionable odor. Although usually within acceptable limits for domestic and industrial use, the quality of most of the available coastal zone groundwater is enhanced by some form of treatment.

In the water table unit, water is typically soft, lower in total dissolved solids, and corrosive.

It also contains excessive concentrations of dissolved iron. Water in this unit was classified as sodium chloride sulfate type.

As water moves into the Castle Hayne unit, it reacts with calcium and magnesium ions in the marl and shell beds, becoming typically hard and highly alkaline. Iron normally does not present a problem except where the water has a short residence time, as in areas of direct recharge. Water from this unit is calcium bicarbonate type.

Hard, alkaline water enters the Cretaceous aquifer system from the Castle Hayne Unit and undergoes cation exchange, losing calcium and magnesium ions and gaining sodium and potassium ions, resulting in softer water of relatively good quality. Since the overall quality of the water from the Cretaceous Lower Sand is excellent, requiring little or no treatment, the unit has become widely favored as a water source by Jacksonville and Onslow County.

In general, the groundwater flows toward the New River in MCB Camp Lejeune's region. The following list presents information on the groundwater wells at MCB Camp Lejeune and their respective average depths and yields.

<b>System</b>	<b>Average Depth (in feet)</b>	<b>Average Yield (in gpm)</b>
Hadnot Point	177	170
Holcomb Boulevard	240	236
Tarawa	95	109
Montford Point	98	121
MCAS	207	150
Rifle Range	138	184
Courthouse Bay	118	174



#### **4.0 RELEASE PATTERNS**

This section provides an overview of the pathways for the release of hazardous constituents to the various environmental media (air, surface water, soil, and groundwater). A potential release via one of these pathways is a function of a waste's characteristic(s), the facility's characteristics, and environmental conditions.

Pollutant migration potential is a function of both water movement potential and chemical and/or physical interactions of specific contaminants with specific environments. Regarding the latter, various contaminants can move greater or lesser distances depending upon such variables as: chemical reactions between contaminants and soil or strata; physical trapping of contaminants in strata voids; stratification caused by differences between contaminant densities and surface water or groundwater densities; and solubility characteristics of specific contaminants, among others.

Because these factors are site-specific, they cannot be discussed in detail in this section. However, general characteristics of possible water movement and its effect on contaminant transport are discussed.

The potential offsite migration pathways at MCB Camp Lejeune are described below. The first consists of contaminants carried off-base by surface water drainage to the New River and its tributaries. Another potential pathway is through groundwater. Contaminants entering the water table aquifer may migrate either to surface water or downward into the semiconfined aquifer. Pollutants may also reach the air through volatilization and as particulate and combustion products.

#### **4.1 Surface Water Pathway**

Surface water drainage is most rapid in the developed areas of the base where natural drainage has been modified by ditches, storm sewers, and extensive areas of asphalt and concrete. Contaminants are most likely to be transported directly to surface drainage during heavy rainfall. At other times, transport is likely to be through groundwater, except in areas adjacent to surface streams.

#### **4.2 Groundwater Pathway**

The water table aquifer is highly susceptible to contamination because it is composed of predominantly permeable materials (i.e., sand) at the surface. If a site is near surface water, contaminants in the water table aquifer can be expected to move horizontally and toward the zone of discharge at the groundwater/surface water interface.

In the interstream areas (i.e., relatively distant from surface drainage), the horizontal component of flow will tend to follow topography, but under some circumstances a vertical flow may develop from the water table aquifer to the semiconfined limestone aquifer. These conditions depend on: (1) a hydraulic gradient from the water table aquifer toward the semiconfined aquifer, and (2) on the thickness and hydraulic conductivity of confining units. These variables are not well known at MCB Camp Lejeune; however, conditions are known to vary with locations.

In some areas, contamination of lower aquifers is very unlikely. For example, at Georgetown, near the Camp Geiger area, the hydrogeology tends to prevent migration of water from the water table.

### **4.3 Air Pathway**

There are two types of release of concern, particulate and volatile. Particulates may be released during sand-blasting or incineration. Particulate constituents of concern include metals and semivolatiles. Units that are open to the atmosphere, such as large oil/water separators and wastewater treatment units, promote volatilization of constituents. Volatile constituents of concern include organic vapors.

MCB Camp Lejeune is more than 200 square miles. It would take a sizable release to cause a significant concern off-base. Any release would be of concern to those on base.

Some of the units handling volatile organics and sand-blasting are concentrated in the industrial area near a large work force.

### **4.4 Subsurface Gas Pathway**

Subsurface gas pathway is a concern for sites with the potential to generate such gases (e.g., active and closed landfills). Landfills are likely to produce methane and other subsurface gases as underground waste decomposes. Subsurface gases could migrate through the vadose zone and utility trenches to discharge at building foundations and depressions such as stream and river banks. No off-base utility trenches are near the units, therefore, it is not likely to be of concern there. Additionally, the soil is predominantly sandy, which allows gases to move into the atmosphere.

Onsite utility trenches and buildings are of concern.

#### **4.5 Soil Pathway**

Contaminants can migrate through the soil via percolation or be carried with the soil via wind and water erosion or tracking. Soil contaminants can transfer to groundwater by leaching or percolation of surface water, to surface water by runoff, and to air by suspension of contaminated particulates. Humans and animals can track the contaminated soil. Soil may be a viable pathway for onsite exposure. The base is open but industrial areas are monitored. A number of the industrial units are contained by a fence with controlled access.

Constituents released from soil to surface water or to groundwater would follow those pathways.

## **5.0 MCB CAMP LEJEUNE ENVIRONMENTAL PROGRAM SUMMARIES**

### **5.1 Introduction**

Since 1983, Marine Corps Base Camp Lejeune has been actively involved with environmental investigations and remedial programs. MCB Camp Lejeune has been actively investigating and remediating potential releases through its primary environmental program areas (IRP, UST, solid waste, and hazardous waste). MCB Camp Lejeune's environmental programs are manned by full-time staff, including both technical and administrative personnel. The programs' administrators use the talents and manpower of outside environmental contractors to assist them in performing specific tasks. Regulatory compliance and pollution prevention are important parts of each program, in addition to being mandated by the Commanding General.

All Marines and civilian personnel assigned to positions of environmental responsibility are subject to MCB Camp Lejeune's Comprehensive Environmental Training Program, which is aimed at complying with legal requirements and policies, implementing best management practices, and providing current information.

### **5.2 Installation Restoration Program**

MCB Camp Lejeune's IRP was adopted in 1986 with passage of SARA, which required federal facilities to adhere to the environmental regulations as set forth in the CERCLA as amended. Prior to the IRP, the facility was actively involved with environmental remediation activities through the Department of Defense's Navy Assessment and Control of Installation Pollutants (NACIP) program. The NACIP program, which was established to identify and control environmental contamination from past use and disposal of hazardous substances, was replaced by the IRP.

The IRP at MCB Camp Lejeune is run by a division director supported by six personnel including environmental engineers, a geologist, and an environmental protection specialist. The IR Division has two branches, UST and IR programs.

Site remediation may take 30 years or more. MCB Camp Lejeune has been working to remediate its IRP sites as quickly as possible. It has taken between three and five years to complete site evaluations in accordance with the CERCLA and RCRA UST regulations. After which, it has been taking between one and two years to design, prepare, submit, and award contracts to construct remedial systems. Depending on the contamination and remedial technology, cleanup is projected to take 25 years or more.

In 1983, an Initial Assessment Study (IAS) was conducted under the NACIP program to identify AOCs that may pose a threat to human health or the environment. At that time, 76 sites were identified, of which only 22 warranted further investigation to assess long-term impacts. The sites identified in this study are the foundation on which the IRP remedial activities are based.

MCB Camp Lejeune was included in the National Priorities List on November 4, 1989. As a result, on December 6, 1989, the USEPA Region IV, the NCDEHNR, and the Department of the Navy entered into negotiations for an FFA under Section 120 of CERCLA to address the remedial and corrective actions needed at MCB Camp Lejeune and MCAS New River. The agreement, signed on February 14, 1991, establishes procedures which "... integrate the Marine Corps' CERCLA response obligations and hazardous wastes, hazardous constituents, pollutants, or contaminants ...". The agreement further intends that the "... activities covered by this Agreement will achieve compliance with CERCLA, 42 U.S. Code Section 9601 et seq.; satisfy the corrective action requirements of Section 3004(u) and (v) of RCRA, 42 U.S.C. Section 6924(u) and (v), for a RCRA permit, and Section 3008(h), 42 U.S.C. Section 6928 (h), for interim status facilities; and meet or exceed all applicable or relevant and appropriate federal and state laws and regulations ...." As such, it is expected that response actions will be coordinated

through procedures established in the FFA. In no way does the FFA give up any rights under the RCRA program requirements; it is an administrative tool for which states may be compensated for reviewing sites requiring corrective action.

The 22 sites initially identified in the IAS, plus one additional site identified between the time of the study and the signing of the FFA, require investigation. The number of sites has changed as sites are identified and added, or relisted under other programs such as the IR UST program. MCB Camp Lejeune is one of several bases which Congress has given special funding consideration to expedite the IRP, and is one of the first bases to partner with USEPA and the state on cleanup.

As part of the FFA, MCB Camp Lejeune is required to submit to regulators an annual Site Management Plan (SMP) that identifies current sites and their status, project activities, and IRP deadlines. The 1996 SMP reports that as of September 1995, 41 sites are included under the IRP, of which 21 still require Remedial Investigation/Feasibility Study (RI/FS) activities, and eight require pre-remedial investigation activities.

In an effort to more efficiently proceed with IRP activities, MCB Camp Lejeune has recommended that the 33 current RI/FS sites be divided into 17 Operable Units (OUs). Priority for start-up as provided in the SMP coincides with potential for groundwater contamination and other factors.

For the pre-RI sites, if further action is warranted, they will be added to the FFA RI/FS list and subject to all requirements set forth in CERCLA and RCRA.

An RI/FS is the CERCLA equivalent of RCRA's remedial investigation and corrective measures study. A remedial investigation is the process of characterizing the site to assess the nature and extent of contamination. An RI may also include the identification of both federal/state chemical

and location requirements which are applicable or relevant and appropriate. The RI also includes a baseline risk assessment. Treatability studies may be performed in conjunction with an RI. An FS is the process of identifying, screening, and evaluating potential treatment technologies. Action-specific requirements that are applicable or relevant and appropriate are also identified and evaluated. Under the CERCLA, RCRA is an applicable or relevant and appropriate requirement.

An RI report at MCB Camp Lejeune will typically contain historical site information, site characteristics, site characterization study results, fate and transport summary, baseline human health risk assessment, ecological risk assessment, and conclusions. The report typically has a number of appendices, which include test boring records, well construction records, test pit records, chain-of-custody records, well development records, investigation-derived waste summary and recommendations, sampling summaries, statistical summaries, data validation summaries, aquifer test results, model results, and other collected or referenced data.

Removal Actions and Interim Remedial Actions are also included under the IRP. These activities occur in addition to RI/FS activities, not in place of them, and may include access restrictions such as fences, removal of drums, or excavation of contaminated soil that poses an immediate health threat. As of 1995, nine sites or OUs underwent removal or interim remedial actions.

In order to maintain project schedules throughout the IRP, regulatory and Navy review times are specified, allowing 30- or 60-day review periods. This review period may be considerably shorter when all parties in the review process agree with the stated actions.

MCB Camp Lejeune established a Technical Review Committee (TRC) in June 1988. This committee consisted of representatives from: the Marine Corps and Navy; USEPA Region IV, State of North Carolina; Natural Resource Trustees; local government and health department

officials; and two members from the community. In 1995, MCB Camp Lejeune began the process of converting this TRC to a Restoration Advisory Board (RAB). This conversion was undertaken to enhance community interest and increase stakeholder involvement in the IRP aboard MCB Camp Lejeune, provide a focal point for communicating with the local community, and continue with the base's established proactive public education goals. The introductory meeting of the newly formed RAB was held April 17, 1996.

IRP is funded through Defense Environmental Restoration Account, allocated on a calendar-year basis. Remediation priorities are established according to environmental concerns and allocation of funds.

### **5.3 Underground Storage Tank Program**

The MCB Camp Lejeune UST program was adopted in 1988 at the time RCRA Subtitle I, 40 CFR 280 was implemented. Before then, tanks were abandoned, left in place, or, when action was necessary, addressed in good faith through best engineering practices.

UST management, removal, and subsequent remediation due to releases are regulated under 40 CFR 280. North Carolina's regulations are more rigorous than federal standards. MCB Camp Lejeune meets all federal and state UST standards by following NCAC Title 15A NCDEHNR Chapter 2, Environmental Management Subchapters 2N and 2L.

A survey conducted at 17 U.S. Marine Corps (USMC) facilities was used to list, categorize, and prepare a management plan for each station. More than 2,700 tanks were identified on MCB Camp Lejeune, many of which were small heating oil tanks for residences. Categories of tanks included active, inactive, suspect, and oil/water separators.

One hundred and four tanks are currently designated as active, regulated tanks. Day-to-day

operations of these tanks, including the maintenance of fuel records and regular inspections, follow state regulations and Marine Corps directives. The EMD and the Environmental Compliance Division oversee regulatory compliance for all active regulated tanks.

Of the more than 2,700 tanks on MCB, 124 tanks are considered SWMUs and are being addressed through the Leaking Underground Storage Tank (LUST) Program. Of those, 24 have been submitted for closure, and another 10 have already been closed by the state.

In order for a tank to be considered a leaking tank and addressed under the LUST program, a release must be detected. The three primary methods for making this detection are listed below:

- *Inventory Control* — Gauges volume dispensed vs. discharged.
- *Tightness Testing* — Tests the integrity of valves, lines, and tanks to determine loss of volume.
- *Tank Pull* — Visible or olfactory evidence of a leak at time of tank pull (a tank may be pulled because it is too small for its intended purpose or the activity is abandoned). Soil or groundwater samples collected during removal indicate petroleum contamination.

Upon removal of a leaking tank, the LUST program is provided with a Tank Removal Report that is prepared by the contractor removing the tank. The report provides statistics about the size of the tank and excavation, tank contents, and preliminary results of surrounding contamination.

Receipt of the Tank Removal Report triggers the remediation process under the LUST program. The process consists of the following steps:

- *Site Check* — Identifies threats to human health and the environment. (This step is essentially accomplished during the production of the Tank Removal Report.)

- *Comprehensive Site Assessment* — Outlines history of previous investigations, describes physical and natural site characteristics, and delineates soil and groundwater contamination.
- *Corrective Action Plan* — Outlines feasible alternatives and recommends remediation or cleanup methods.
- *Basis of Design* — Preparation and design of remediation system.
- *Remedial Action* — Actual remediation of the site. Remedial actions can include technologies such as pump-and-treat, pump-and-infiltrate, natural attenuation, bioremediation, soil vapor extraction, air sparging, and in-well aeration.

A site check report contains a general site description; land and water use information; regional geology and hydrology characterization; soil and groundwater investigation sampling and analytical methods; and investigative results of site geology, hydrogeology, analytical data, and investigation-derived waste handling and disposal. Actions are recommended. Typically, three groundwater monitoring wells are installed in preparation of the site check report.

A comprehensive site assessment report contains a purpose statement, site history, source characterization, migration pathways, potential receptors, and soil and groundwater investigation methods and analytical results. It also specifies quality control procedures used and provides preliminary recommendations and corrective actions to be taken. This report typically includes a copy of the approved site assessment work plan, soil test boring records, soil testing results, well construction details, water elevation worksheets, groundwater flow direction and velocity estimation, groundwater sampling field data worksheets, contaminant velocity calculations, laboratory analytical test result reports, chain-of-custody records, and analytical data review reports. Data results are presented in text, table, and figure formats.

The entire remediation process can take five to 30 years per site. Funding is requested according to the established priorities for the upcoming calendar year. Actual remediation

activities depend on the percentage of the requested budget that is funded.

MCB Camp Lejeune's goal is to remove, update, or replace all USTs to meet state and federal regulatory requirements approximately two years before the December 22, 1998, federal deadline.

#### **5.4 Solid Waste Program**

MCB Camp Lejeune's solid waste program includes the management of a solid waste landfill and a recycling program. Both are regulated through state and federal laws and adhere to internal Camp Lejeune management directives (Refuse Disposal Procedures 11350.2C, July 30, 1991, and Solid Waste Reduction Base Order 590.4, July 18, 1994).

A permitted solid waste landfill has been in operation since 1970 and is in the process of being phased out and closed by 1997. A new, lined RCRA Subtitle D landfill has been sited, permitted, and is currently under construction. This landfill is to be phased in by 1997.

Camp Lejeune's wastestream comes from three distinct sources: personnel who live on the base, personnel who live off the base but work on the base, and daily operations of base maintenance and renovation projects. The total tonnage from these three sources is estimated at 60,000 per year.

MCB Camp Lejeune runs an aggressive multimaterial recycling program which has reduced the volume of solid waste landfill material by 15% since its inception. Materials that are collected for revenue include scrap metals, plastics, glass, paper products, cardboard, and palettes. Wood chips are processed in a biomass facility that converts the material to electricity. Revenues from the recycling program fund the initiative as stipulated by RCRA regulation.

Recycling is encouraged and has been improved at MCB Camp Lejeune by providing designated containers to collect and separate materials such as glass, paper, and aluminum. Separation bins are placed at the initial disposal point to enhance recycling efforts. Bins can be found in offices, barracks, mess halls, and on-base housing.

Solid waste disposal and the recycling program are interrelated since many of the recycling initiatives help to reduce the volume of waste disposed in the landfill. The rate at which the facility recycles could substantially increase the new landfill's overall projected life span. In addition to reducing solid waste, MCB Camp Lejeune follows the directives in its HM/HW program to ensure that hazardous waste is not improperly discarded in the landfill. Each load of solid waste is reviewed before being released into the landfill, and all solid waste is checked before being hauled offsite.

MCB Camp Lejeune has more than 3,000 solid waste dumpsters in residential, industrial, storage, and maintenance areas.

### **5.5 Hazardous Waste Program**

Camp Lejeune manages hazardous waste by controlling the use of hazardous material. All major commands and tenant activities must comply with Base Order 5090.2, which establishes procedures and responsibilities for the disposal of hazardous material. HMs used during vehicle maintenance and other base functions are processed through the Defense Reutilization and Marketing Office (DRMO) of the Defense Reutilization and Marketing Services (DRMS), Defense Logistics Agency, for resale, reutilization, or disposal. DRMS HM/HW management policies followed at DRMO-operated facilities are described in DRMS-M 4160.14, which describes environmental requirements for turn-in of HM/HW.

## 6.0 UNIT INFORMATION CHECKLIST

This section discusses the identification and VSI of SWMUs and AOCs at MCB Camp Lejeune. This discussion includes sites identified for further investigation in the IAS conducted by the U.S. Navy, MCB Camp Lejeune USTs, permitted waste facilities, and other potential sites.

### 6.1 IRP Sites

The USEPA and NCDEHNR RFA for MCB Camp Lejeune identified all IR sites as SWMUs, even though these sites are being addressed under the IRP. Therefore all additional sites to the IRP are SWMUs. The FFA identified 23 sites where RI/FS activities are to be conducted. Since then, two sites (Sites 22 and 45) have been relisted as UST sites and will not require an RI/FS. Site 87 (formerly Site A) and Site 68 will require a Pre-Remedial Investigation before undertaking an RI/FS. Sites 3, 7, 43, 44, 54, 63, 65, 80, and 82 have been recommended for the RI/FS phase based on the results of site inspections conducted from 1991 to 1993. Based on the findings from UST investigations conducted in 1994, the following sites have been recommended for the RI/FS phase: Sites 88, 89, 90, 91, 92, and 93. As of September 1995, 41 sites are included under the IRP. Twenty-one sites require RI/FS and eight sites require pre-remedial investigation. The status of each site is provided in the *Fiscal Year 1996 Site Management Plan Marine Corps Base, Camp Lejeune, North Carolina* (Baker, September 1995; Appendix G) and summarized below. IR sites are shown on Figure 1 of Appendix B. Figure 1 is divided into four quadrants, NE, SE, SW, and NW. IR sites 70, 71, and 72 are at an outlying air field, Oak Grove, and are not shown on Figure 1. Additionally, IR sites 77, 79, 81, and 83 are not used because they have been incorporated as OUs.

### Further Action Determinations

*No Further Action Sites:*

SWMU No.	IR Site No.	Site Name
S62	4	Sawmill Road Construction Debris Dump
S68	5	Piney Green Road
S88	8	Flammable Storage Warehouse Buildings TP-451 and TP-452
S43	11	Pest Control Shop
S44	13	Golf Course Construction Dump Site
S45	14	Knox Area Riprap
S46	15	Montford Point Burn Dump 1948-1954
S47	17	Montford Point Riprap
S48	18	Watkins Village (E) Site
S49	19	Naval Research Lab Dump
S50	20	Naval Research Lab Incinerator
S51	23	Roads and Grounds Building 1105
S52	25	Base Incinerator
S53	26	Coal Storage Area
S54	27	Naval Hospital Area Riprap
S322	29	Base Sanitary Landfill
S55	31	Engineering Stockyard G-4 Range Road
S56	32	French Creek
S57	33	Onslow Beach Road
S58	34	Ocean Drive
S59	37	Camp Geiger Area Surface Dump
S60	38	Camp Geiger Area Construction Dump
S61	39	Camp Geiger Construction Slab Dump
S63	40	Camp Geiger Area Borrow Pit
S64	42	Building 705/BOQ Dump
S65	46	MCAS Main Gate Dump
S66	47	MCAS Riprap near Stick Creek
S67	49	MCAS Suspected Minor Dump
S69	50	MCAS Small-Craft Berthing Riprap
S70	51	MCAS Football Field
S71	52	MCAS Direct Refuel Depot
S72	53	MCAS Warehouse Building Area/Oiled Roads
S73	55	Air Station East Perimeter Dump
S74	56	MCAS Oiled Roads to Marina
S75	57	Runway 36 Dump
S76	58	MCAS Tank Training Area

S77	59	MCAS New River Infantry Training Area
S78	60	Explosive Ordnance Disposal K-326 Range
S80	61	Rhodes Point Road Dump
S81	62	Race Course Area Dump
S82	64	Marines Road-Sneads Ferry Road Motor Gasoline Spill
S83	66	AMTRAC Landing Site and Storage Area
S84	67	Engineers TNT Burn Site
S85	70	Oak Grove Field Surface Dump
S86	71	Oak Grove Buried Dump
S87	72	Oak Grove Coal Pile

***Pre-RI Sampling Sites:***

<b>SWMU No.</b>	<b>IR Site No.</b>	<b>Site Name</b>
S211	10	Original Base Dump
S212	12	Explosive Ordnance Disposal (G-4)
S230	68	Rifle Range Dump
S235	75	MCAS New River Basketball Court Site
S236	76	MCAS New River Curtis Road Site
S240	84	Building 45 Area
S241	85	Camp Johnson Battery Dump
S243	87 (formerly A)	MCAS (H) Officer's Housing Area

***RFI Sites:***

<b>SWMU No.</b>	<b>IR Site No.</b>	<b>Site Name</b>
S210	1	French Creek Liquid Disposal Area
S214	2	Former Nursery/Day Care Center (Building 712)
S218	3	Old Creosote Plant
S228	6	Storage Lots 201 and 203
S232	7	Tarawa Terrace Dump
S46	9	Firefighting Training Pit
S213	16	Montford Point Burn Dump
S215	21	Transformer Storage Burn Dump
S216	24	Industrial Area Fly Ash Dump
S195	28	Hadnot Point Burn Dump
S219	30	Sneads Ferry Road Fuel Tank Sludge Area
S220	35	Camp Geiger Area Fuel Farm

S221	36	Camp Geiger Area Dump near Sewage Treatment Plant
S222	41	Camp Geiger Dump near Former Trailer Park
S223	43	Agan Street Dump
S224	44	Jones Street Dump
S228	48	MCAS New River Mercury Dump Site
S227	54	Crash Crew Fire-Training Burn Pit at MCAS New River
S197	63	Vernon Road Dump
S229	65	Engineer Area Dump
S231	69	Rifle Range Chemical Dump
S233	73	Courthouse Bay Liquid Disposal Area
S234	74	Mess Hall Grease Pit Area
S237	78	Hadnot Point Industrial Area
S238	80	Paradise Point (Golf Course Pesticide Area)
S239	82	VOC Disposal Area at Piney Creek Road

***IR UST Sites:***

<b>SWMU No.</b>	<b>IR Site No.</b>	<b>Site Name</b>
S172	22	Industrial Area Tank Farm
S225	45	Campbell Street Underground Aviation Gasoline Storage and Adjacent Jet Petroleum Fuel Farm at MCAS New River
S242	86	Tank Area AS419-AS421 at MCAS
S244	88	Building 25, Base Dry Cleaners
S245	89	STC-868
S247	90	Building BB-9
S248	91	Building BB-51
S249	92	Building BB-46
S250	93	TC-942

Each fiscal year the SMP identifies the primary documents to be submitted for agency review for that fiscal year. The SMP for Fiscal Year 1996 identified 16 OUs being investigated and another seven sites requiring investigation. These OUs and sites are listed below and include many of the sites listed above.

<b>Operable Unit</b>	<b>IR Site No.</b>	<b>Fiscal Year 1996 Activities</b>
1	78	Complete remedial construction; continue Interim Remedial Action of the shallow aquifer (containment)
1	21, 24, and 78	Soil remediation (Sites 21 and 78); shallow groundwater remediation (source control)
2	6, 9, and 82	Long-term operation of groundwater remediation
3	48	No Action (Delisted)
4	41, 69, and 74	Initiate Remedial Design and institutional controls
5	2	Long-term groundwater monitoring
6	36, 43, 44, 54, and 86	Complete RI/FS; Initiate Remedial Design
7	1, 28, and 30	Initiate Remedial Design
8	16	Complete RI/FS
9	65 and 73	Complete RI/FS; Initiate Remedial Design
10	35	Complete Interim Remedial Action Design for shallow groundwater; Complete RI/FS (groundwater)
11	7 and 80	Complete RI/FS
12	3	Complete RI/FS; Initiate Remedial Design
13	63	Initiate RI/FS
14	69	Complete RI/FS and TS; Initiate Remedial Design
15	88	Initiate RI/FS Project Plans
16	89, 90, 91, 92, and 93	Complete RI/FS Project Plans; Initiate RI/FS

## **6.2 Underground Storage Tanks**

In 1989, Geraghty and Miller, Incorporated, inventoried 458 of the 2,163 USTs installed at MCB Camp Lejeune. Most of these USTs are associated with a building or service site. MCB Camp Lejeune is currently evaluating all USTs onsite. Figure 2 of Appendix B shows the approximate location of each UST included in the IRP.

MCB Camp Lejeune has confirmed leaks at the following USTs and is conducting corrective action under EMD's IR UST program. Eleven sites have been closed following NCDEHNR requirements. Twenty-four sites have been submitted to NCDEHNR requesting closure. Eighty-nine tanks are undergoing corrective measures. These tanks and their status are listed below.

**Closed Underground Storage Tanks**

<b>SWMU No.</b>	<b>Tank No.</b>
S34	M-178-1
S7	AS-118
S104	1607
S79	61
S8	AS-3504
S9	AS-4146-3
S19	BA-130/SBA-131
S28	FC-102/SFC-104
S29	FC-201(W)
S148	FC-120-2
S116	600

**Underground Storage Tanks Submitted for Closure**

<b>SWMU No.</b>	<b>Tank No.</b>
S163	M-90
S188	TT-2453-5
S100	1313-1
S101	1401
S138	AS-849
S144	BB-52/SBB-70-1
S150	PC-241
S161	M-230-1
S119	738
S113	1919-1
S114	1932-2
S173	24
S174	32-1
S176	331
S122	903
S160	M-101-1
S194	TT-44
S103	1502-1
S106	1736
S109	1815/S-181
S112	1889-3
S169	S-947-1,-2(913)

S107	1775-2,-3
S111	1880-1

**Underground Storage Tanks Undergoing Corrective Measures or Site Assessment**

<b>SWMU No.</b>	<b>Tank No.</b>
S98	1106
S99	1115
S102	1450-1,-2,-3,-4,-5,-6,-7
S340	1601
S105	1613-1,-4
S108	1804/S-1856-1 to -6
S110	1854-2 and -3
S171	21
S217	25
S175	33
S177	333-C
S178	45-1
S115	45/S-941-2
S117	645
S118	728-2
S120	820-1 to -4
S121	900
S198	A-10/SA-26
S199	A-12-1,-2
S200	A-2
S201	A-47-3
S202	A-47-4
S203	A-47/SA-21
S123	AS-114
S125	AS-3000
S126	AS-410(N)
S127	AS-410(S)
S128	AS-4151
S129	AS-4158
S130	AS-4159-2
S131	AS-428
S132	AS-511-3
S133	AS-522
S134	AS-804
S135	AS-822

S136	AS-840
S137	AS-843
S139	AS-872
S140	BA-130-1/SBA-131
S141	BB-177
S142	BB-177-6
S143	BB-190-1
S341	BB-293
S204	BB-46
S205	BB-51
S145	BB-71
S206	BB-9
S147	Campbell Street Fuel Farm
S146	CG-1-1
S149	FC-201(E)
S151	FC-251-2,-3
S152	FC-263-5
S208	G-480
S153	H-19
S154	H-28
S155	H-30
S156	Hadnot Point Industrial Area Former Fuel Farm
S157	JP-5 Pump and Treat
S158	LCH-4015 M PK Fuel Farm
S159	LCH-4022
S162	M-232-236
S164	PT-5
S165	Rapid Refueler A, B
S166	Rapid Refueler C, D
S167	RR-72
S168	S-2633
S170	SBB-161
S179	SLCH-4019
S251	STC-868
S180	STT-39A
S181	STT-69
S182	TC-1251
S183	TC-1255
S184	TC-341
S185	TC-774
S252	TC-942
S186	TC-912

S187	TT Pump and Treat
S190	TT-2463-2473
S191	TT-2477-1
S192	TT-2477-3
S193	TT-2478
_____	M-167
_____	TC-307
_____	TC-755

These last three tanks have not been given SWMUs number because investigations are still pending to confirm whether releases have occurred.

### 6.3 Permitted Environmental Facilities

#### Wastewater Permits

MCB Camp Lejeune has seven wastewater treatment plants which treat mostly domestic sewage. Based on their history of operation, there has been no significant National Pollutant Discharge Elimination System (NPDES) permit compliance problems. Camp Geiger has had the most compliance problems of the systems. In recent studies, NCDEHNR DEM has found numerous water quality exceedances for pH, dissolved oxygen, dissolved gases, and chlorophyll-a in the upper portion of the New River basin. These studies suggest that the upper portion of the New River basin has reached its assimilative capacity and the river is no longer able to absorb all of the nutrients being discharged to it. As a result of these findings, DEM issued a mandate to significantly reduce total phosphorus and other nutrients being discharged from MCB Camp Lejeune's wastewater treatment plants. DEM further recommended that MCB Camp Lejeune take steps to either modify its wastewater facilities to non-discharge systems or consolidate flows into one state-of-the-art technology facility. MCB Camp Lejeune has elected to consolidate its flows and construct a treatment facility at Hadnot Point.

The following lists MCB Camp Lejeune's wastewater treatment plants:

<b>Permit Type</b>	<b>Permit Number</b>	<b>SWMU No.</b>	<b>Description</b>
Wastewater	NC0062995	S319	Camp Geiger
Wastewater	NC0063002	S330	Tarawa Terrace
Wastewater	NC0063011	S320	Camp Johnson
Wastewater	NC0063029	S324	Hadnot Point
Wastewater	NC0063037	S329	Rifle Range
Wastewater	NC0063045	S321	Courthouse Bay
Wastewater	NC0063053	S327	Onslow Beach

Figure 3 of Appendix B shows the location of these units.

All of MCB Camp Lejeune's wastewater treatment plants are secondary treatment facilities except Camp Geiger, which has tertiary filters. Pump stations are being built at all treatment units to pump either treated or untreated wastewater to the Hadnot Point treatment facility. Treated wastewater will be pumped from Camp Geiger, Camp Johnson, and Tarawa Terrace to Hadnot Point. The treated wastewater will pass through a chlorination contact chamber before discharge. Wastewater will be pumped from Rifle Range and Onslow Beach to Courthouse Bay where it, along with Courthouse Bay wastewater, will be pumped to Hadnot Point for treatment. Pump houses are nearing completion.

The new wastewater treatment plant designed to be constructed in 1997 will have primary, secondary, and tertiary processes. The unit process will contain a preliminary treatment using mechanical bar screens and aerated grit removal chamber. Primary treatment will consist of primary clarifiers and sludge pumps. Advance biological treatment to achieve biological oxygen demand, nitrogen, and phosphorus removal will be used. Treatment will occur in three zones, anaerobic, anoxic, and aerobic. Polymers will be used to aid in secondary clarification. Dissolved air flotation will be used in sludge removal. Aerobic digesters and belt filter presses will be used to reduce the sludge volume and weight. The effluent will be further treated as it

flows through a denitrification filter, chlorine contact chamber, dechlorination chamber, and post-aeration chamber prior to discharge.

The following is MCB Camp Lejeune's NPDES permit number for its only backwash pond (SWMU No. S21) from a water treatment system which discharges to the state waters:

Permit Type	Permit Number	Description
Water	NC0078328	Backwash Pond/Onslow Beach

#### Potable Water Permit

MCB Camp Lejeune provides its own potable water; groundwater is the source. Groundwater is conditioned and filtered prior to use. MCB Camp Lejeune has four water treatment plants, Building 670 (SWMU S20), Onslow Beach (SWMU S21), Hadnot Point (SWMU S22), and MCAS (SWMU S23). Each unit has ponds which receive backwash from the filtration system. All but Onslow Beach backwash these discharges to the sanitary sewer system. Onslow Beach backwash discharges to the surface waters via an NPDES permit.

#### Air Permits

MCB Camp Lejeune has a program to monitor and control air emissions. Its air emission sources include continuous sources, batch sources generating highly fluctuating emissions, and emissions from CERCLA and UST sites. MCB Camp Lejeune has prepared a Title III air toxics inventory and a volatile organic compound (VOC) emissions inventory for its organic chemicals. The following are the permits for MCB Camp Lejeune's stationary air emission sources:

Permit Type	Permit Number	Description
Air	NC5790R6	Various Shops
Air	NC4641R8	Heating Plant
Air	NC4644R2	Heating Plant

Air	NC4640R3	Heating Plant
Air	NC4643R2	Heating Plant
Air	NC6591R2	Spray Booth, Dust Collection
Air	NC4642R5	Heating Plant
Air	NC4645R3	Heating Plant
Air	NC3769R8	Heating Plant
Air	NC4663R7	Heating Plant, Med. Waste Incineration

The permitted air sources have not been assigned SWMU numbers.

### **RCRA Permit**

MCB Camp Lejeune currently operates a long-term hazardous waste storage facility and OB/OD facility. The base operated five waste oil aboveground storage tanks (ASTs) which received hazardous waste and required permitting. These tanks have or are undergoing closure at this time. The existing RCRA-regulated units are listed below:

<b>Permit Type</b>	<b>Permit Number</b>	<b>Description</b>
RCRA	NC6170022580 (Permitted)	Container Storage Facility
RCRA	NC6170022580 (Interim Status)	OB/OD
RCRA	NC6170022580 (Interim Status)	Hazardous Waste Tanks AS419 - AS421
RCRA	NC6170022580 (Interim Status)	Hazardous Waste Tanks S889 and S891
RCRA	NC6170022580 (Interim Status)	Hazardous Waste Tank S781
RCRA	NC6170022580 (Interim Status)	Hazardous Waste Tanks STT61 - STT65

The container storage facility TP-451/TP-463 has been assigned a SWMU number, S235. Explosive ordnance disposal area (G-4), identified as IR Site 12 and SWMU S212, is not part of the interim RCRA OB/OD site. The interim RCRA OB/OD site and interim tanks were not assigned SWMU numbers.

MCB has operated a base solid waste landfill at its Sneads Road site since 1971. The facility was permitted for 1,464,420 cubic yards. The landfill accepts garbage, construction debris, and general trash. The landfill is self-contained within a +/- 140-acre tract. Currently, waste

disposal operations are taking place at the northwestern end. Cells P-23 and P-24 are the only areas with remaining capacity within the putrescible zone. NCDEHNR has consistently given the landfill "very good" marks on all aspects of environmental quality and safety.

MCB Camp Lejeune disposes of about 134,000 cubic yards of solid waste a year. The current landfill is becoming full. A new landfill has been permitted and is under construction. Both landfills have been included as potential SWMUs.

The current landfill will be closed and monitored in accordance with current requirements. The new landfill was designed in accordance with current standards and will be operated according to current and future standards. The current landfill has been designated SWMU S322 and the future landfill has been designated SWMU S323.

#### **6.4 Other Environmental Sites**

In 1996, MCB Camp Lejeune operated more than 500 industrial activities. In support of these activities, MCB Camp Lejeune manages the following units, approximately 191 hazardous waste satellite accumulation areas (SAAs), approximately 81 less-than-90-day hazardous waste storage areas, approximately 199 Safety Kleen solvent vats, more than 3,000 dumpsters, 33 grease traps, 32 silver recovery units, about 94 oil/water separators, 22 spill containment basins, 90 used oil tanks (more than 50 used oil ASTs and 44 used oil USTs), 16 septic tanks and tile fields, 17 storm water ponds, a storm water system with more than 225 point source discharges, one PCB storage facility, one solvent still, and various other units.

#### **Hazardous Waste Accumulation Points**

MCB Camp Lejeune has a management system in place to properly contain and store hazardous waste in accordance with RCRA regulations 40 CFR 262. Hazardous waste is collected from various points of generation. Some wastes are collected at the point of their generation and are stored in SAAs under the control of the generator. Other wastes are collected and stored in an

area not under the control of the generator. These collection areas are under the control of a centralized manager. Hazardous wastes are collected and stored in less-than-90 day storage areas before being transferred to the permitted storage facility. MCB Camp Lejeune and MCAS New River maintain numerous temporary hazardous waste accumulation facilities, SAAs, and less-than-90-day storage areas. According to the April 1994 *Hazardous Waste Accumulation Point Study* by Rust Environmental & Infrastructure, there were 191 SAAs and 86 less-than-90-day storage areas. Rust reviewed each site and made recommendations for improved management. Improvements included constructing structures to contain any releases and prevent rainfall run-on or runoff. Rust's report was provided as part of the RCRA Part B permit renewal application.

Eighty-one less-than-90-day units were visited by EnSafe for the VSI. Releases were not observed at any unit. These units have been included as a general group under SWMU S33. None of these units was recommended for confirmation sampling.

#### **Contracted Part Washer and Solvent Vats**

MCB Camp Lejeune's pollution prevention program encourages industrial activities to use contracted parts washers and solvent vats. Contractors will supply and maintain parts washers and solvent vats for the activities. Contractors will resupply the activities with solvents and in addition, collect spent solvent for regeneration. Contractors, such as Safety Kleen Corp., service their washers and vats regularly. Washers and vats have lids which remain shut when the unit is not being used. EMD encourages industrial activities to use solvents with high flash points and no chlorinated hydrocarbons.

There are about 200 parts washers and solvent vats at MCB Camp Lejeune and MCAS New River. These units are typically constructed of metal with legs that elevate them above the floor. Most of the units are inside buildings and are under the management of a shop supervisor.

EnSafe conducted a VSI at five locations within facilities FC-280 and FC-286 (SWMUs S331-FC-286 Vat 1, 2D FSSG, S332-FC-286 Vat 2, 2D FSSG, S333-FC-280 Vat 3, 2D FSSG, S334-FC-280 Vat 4, 2D FSSG, and S335-FC-280 Vat 5, 2D FSSG). All units were in buildings near work centers. These units are shown on Figure 4 in Appendix B.

**Solid Waste Dumpsters**

MCB Camp Lejeune has more than 3,000 solid waste dumpsters throughout the base. Most of these serve administrative, residential, and billeting areas with no potential of containing or releasing hazardous wastes. The base's solid waste reduction/pollution prevention programs require activities and residents to segregate solid waste. The base regulations, policies, and procedures preclude the use of solid waste dumpsters for recyclable waste and hazardous waste. EMD compliance personnel routinely inspect dumpsters. EMD conducts environmental training to educate, disseminate, and reinforce the base policies.

EMD conducted VSIs on about 174 dumpsters at 100 locations. Dumpsters were randomly selected from the more than 3,000 on base. Dumpsters selected were in industrial, storage, and maintenance areas. EMD concluded that only 19 dumpsters showed evidence of release. However releases were contained in refuse and were remedied by placing the refuse in the dumpster. The following is the list of units reviewed and recommendation:

No.	Site Name:	Dumpster	Release Recommendation	
1	Exchange (mainside)	4-cardboard, 2-refuse	No	NFA
2	Commissary (mainside)	1-cardboard, 1-compactor	No	NFA
3	Base Maintenance (45)	1-solid waste	No	NFA
4	Base Maintenance (45)	1-refuse	No	NFA
5	SRIG (58)	2-refuse	No	NFA
6	Preventive Med. (65)	cardboard & refuse	No	NFA
7	EMD (67)	refuse	No	NFA
8	2nd. Mar. Div. (H100)	2-refuse	No	Housekeeping
9	Supply, 2d. Mar. Div (106)	solid waste	No	NFA
10	8th. Mar., Gym. (115)	refuse	No	NFA
11	H.Q. 2nd. Mar. Div. (119)	refuse	No	NFA
12	Mess Hall, 2nd. Mar. Div. (122)	2-refuse, 1-cardboard	No	NFA
13	H.Q. 2nd. Mar. Div. (126)	refuse	No	NFA

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14	Field Mess (130)	refuse	No	NFA
15	2d. Combat Engr. (133)	3-refuse	No	NFA
16	(134)	refuse	No	NFA
17	2nd. Mar. Div. (145)	2-refuse	No	Housekeeping
18	Barracks (HP-166)	2-refuse	No	NFA
19	2nd. Mar. Div. (225)	2-refuse, 1-cardboard	No	NFA
20	2nd. Mar. Div. (HP-237)	2-refuse	No	NFA
21	(HP-237)	2-refuse	No	NFA
22	Simulation Center (322)	2-refuse	No	NFA
23	2nd. Mar. Div.-Recon. (511)	2-refuse	No	Housekeeping
24	10th Mar. (510)	2-refuse	No	NFA
25	2nd. Mar. Div. Mess (521)	3-refuse	No	NFA
26	2nd. Mar. Div. (522)	2-refuse	Yes	Housekeeping
27	(575)	2-refuse, 1-cardboard	No	NFA
28	Gottschalk Marina (728)	2-refuse	No	NFA
29	SRIG (900)	refuse	No	Housekeeping
30	2nd. NCB	refuse	No	NFA
31	2nd. FSSG (902)	refuse	No	Housekeeping
32	2nd. FSSG (904)	refuse, cardboard	No	NFA
33	Recycling (913)	2-refuse, cardboard	No	NFA
34	Maintenance, 2nd. FSSG (1101)	refuse	No	NFA
35	Base Operations (1102/1103)	refuse	No	NFA
36	Auto Hobby (1105)	refuse	No	NFA
37	Wood Shop (1106)	2-refuse	No	NFA
38	D.S.S.C (1108)	refuse	No	NFA
39	Base Sign Maker (1202)	refuse	No	NFA
40	Shop Stores (1301)	refuse	No	NFA
41	(1402)	refuse	No	NFA
42	Base Motor Trans. (1408)	refuse	No	Housekeeping
43	Base Motor Trans. (1504)	refuse	No	NFA
44	Marine Unit (1506)	refuse	No	NFA
45	Motor Pool (1601)	refuse	No	NFA
46	8th. Comm. (1604/1605)	refuse	No	NFA
47	Base Unit (1606)	refuse	No	NFA
48	MWR/Station (1610)	refuse	No	NFA
49	Gas Station/Garage (1612)	refuse	No	NFA
50	Steam Plant (1700)	3-refuse	No	NFA
51	Small Craft (1701)	refuse	No	NFA
52	(1775)	3-refuse, 2-cardboard, metal	No	Housekeeping
53	(1808)	2-refuse	No	Housekeeping
54	(1854)	3-refuse, 2-metal, cardboard	No	NFA
55	Golf Course (1916)	refuse	No	NFA
56	Base Maint. (1919)	refuse, wood, metal	No	NFA
57	BOQ (2616)	refuse	No	Housekeeping
58	MWR Gas Station (AS-410)	refuse	No	NFA
59	(BA128/BA105)	2-refuse	Yes	Housekeeping
60	(BA-130)	refuse	No	NFA
61	Post Office (BB-3A)	refuse	No	NFA
62	Mess Hall (BB-7)	2-refuse, cardboard	No	NFA

63	Steam Plant (BB-9)	refuse	No	NFA
64	(BB-38)	refuse	No	NFA
65	Construction Shop (BB-48)	refuse	Yes	Housekeeping
66	Base Maintenance (BB-49)	refuse	No	Housekeeping
67	CB Service Station (BB-177)	refuse	No	NFA
68	MWR Gas Station	refuse	No	Housekeeping
69	(BB-231)	refuse	No	NFA
70	Exchange (BB-245)	refuse, cardboard, grease	No	Housekeeping
71	(BB-246)	refuse	No	NFA
72	Barracks (BB-260)	2-refuse	No	NFA
73	Barracks (BB-265)	2-refuse	No	NFA
74	Barracks (BB-270)	2-refuse	No	NFA
75	2nd. FSSG (GP-12)	refuse	No	NFA
76	Motor T, 2nd. FSSG (FC-40)	refuse	No	NFA
77	8th. ESB, (FC-45)	refuse	No	NFA
78	(FC-45)	refuse	No	NFA
79	2nd. Maint. BN (FC-51/50)	refuse	No	NFA
80	2nd. FSSG (FC-100)	2-refuse	No	NFA
81	Combat Engr. BN (FC-120)	2-refuse, 2-metal	Yes	Housekeeping
82	2nd. FSSG (FC-190)	refuse	No	Housekeeping
83	2nd. FSSG (FC-200)	2-refuse, cardboard	No	NFA
84	SRIG (FC-230)	2-refuse, 2-metal	No	NFA
85	2nd. SRIG (FC-241)	refuse	No	NFA
86	Brig-2nd. Anglico (FC-251)	refuse	No	NFA
87	2nd. FSSG (FC-255)	2-refuse	No	NFA
88	Supply/Med. 2nd. FSSG (FC-263)	2-refuse	No	NFA
89	2nd. FSSG (FC-270)	refuse, cardboard	No	NFA
90	2nd. FSSG (FC-286)	4-cardboard, 4-refuse, 2-paper, 3-metal	Yes	Housekeeping
91	SRIG 2nd. Radio BN (FC-365)	refuse	No	NFA
92	(FC-400)	2-refuse	No	NFA
93	MWR Station (LCH-4034)	2-refuse	No	Housekeeping
94	Naval Hospital (NH-100)	refuse	No	NFA
95	Base Game (PT-4)	refuse	No	NFA
96	Pesticide (PT-37)	2-refuse	No	NFA
97	MC Base Fire Dept. (TP-458)	refuse	No	NFA
98	2nd. FSSG (TP-466)	refuse	No	NFA
99	MWR Hobby Shop (TT-2453)	refuse	No	Housekeeping
100	MWR Gas Station (TT-2478)	refuse, compactor	No	Housekeeping

Either an observed release or suspected release was identified at five dumpster sites. Conformational sampling is recommended for these sites. Housekeeping was recommended for a number of sites. Housekeeping includes, but is not limited to, general trash collection and/or closing dumpster lids or doors.

The types of waste dumpsters are: refuse (general solid waste); cardboard (recyclable cardboard); metal (recyclable metal); paper (recyclable paper); grease (kitchen grease); and compactor (solid waste).

EnSafe conducted VSIs at 19 of the above dumpster locations. Conformational sampling was recommended at five units and are reflected above. The dumpsters visited by EnSafe are listed below:

<b>SWMU No.</b>	<b>Building No.</b>
S289	TT2453
S274	BB-245
S276	BB-49
S275	BB48
S273	BA128
S245	1408
S270	902
S259	1775
S263	1808
S267	511
S268	522
S266	2615
S277	FC120
S278	FC190
S282	LCH4034
S271	AS410
S281	H100
S287	45
——	FC-286

These sites are shown on Figure 4 in Appendix B.

The dumpsters storing metal parts at Building FC-286 were assessed due to a potential for the release of used oil during storms. A sample of the storm water runoff should be collected for analysis of volatile and semivolatile organics.

### **Grease Traps**

MCB Camp Lejeune has several mess halls for feeding Marines. Each mess hall has a grease trap for removing floating grease from food preparation operations. It is assumed that only processed food oils and cooking by-product oils are received by these units. Grease traps are pumped out regularly. Grease is sold or disposed off base. The following buildings have grease traps: 1515, 1231, 1220, 9, 122, 211, 325, 411, 521, FC-540, FC-420, BA-104, BB-7, RR-3, AS-4012, AS-710, AS-4126, C-640, M-453, NH-100, 2615, 1057, 257, 564, 425, TC-1500, TT-60, 1943, 40, 5400, 825, 835, 631.

The grease trap at FC-420 was examined during EnSafe's 1996 site visit. This randomly selected unit was recently been installed. The former unit was removed because it was not large enough. The new unit appeared to be working properly. Based on the type of unit, it is recommended that no further action be taken for SWMU S31, basewide grease traps.

### **Silver Recovery Units**

MCB Camp Lejeune has a precious metal recycling program. Silver is generated from a number of film processing units. Spent fixer and developer is discharged through a number of individual silver extraction units. These chemicals are piped from the photographic processing equipment to the sanitary sewer. The units consist of recovery cartridges connected to electrolytic units. A recovery cartridge has an active metallic element in the filter (usually iron or copper) that reacts with silver thiosulfate complex. The silver becomes less active and separates from the complex and settles to the bottom of the recovery cartridge. The electrolytic unit uses electrical current between two electrodes causing silver to plate on the cathode electrode. The electrode is removed periodically to recovery the silver.

MCB Camp Lejeune monitors the effluent from these units. In the past there have been exceedance above 5 parts per million at most of these units discharging into the sanitary sewer. In the last year, MCB Camp Lejeune has implemented a program to address these exceedances.

Recovery units are continually monitored by the operator and the current recovery units are being replaced with more efficient ones such as the ACCU-TECH electrolytic silver recovery unit. In some areas, recovery units in series are being used.

Recovered silver is handled through the DRMO precious metal recovery program. Recovered silver is kept locked. A chain-of-custody form is used to track the recovered silver. DRMO manifests the silver to a recycler.

A VSI was conducted on two representative units at the Naval Hospital (Building NH-100, E112, and S144A). The findings of these two units are provided as SWMU S42, silver recovery units, basewide.

Silver recovery units are at the following locations:

<b>Building No.</b>	<b>Unit Name</b>
67	Joint Public Affairs
65	Dental Clinic Site 1
15	Dental Clinic
FC-308	22d Dental
BB-118	Dental Clinic
G-770	2d Dental Branch
AS-100	Branch Dental Clinic
460	2nd Dental Branch x-ray 1
M-128	Dental Clinic
AS-213	Joint Public Affairs (MCAS)
H-17	Audio Visual Support, 2d Marine Division
NH-100	Naval Hospital (S212) site 1
NH-100	Naval Hospital (S213#3) site 2
NH-100	Naval Hospital (S213#2) site 3
NH-100	Naval Hospital (S145) site 5
NH-100	Naval Hospital (C223B) site 6
NH-100	Naval Hospital (W247) site 7
NH-100	Naval Hospital (S144) site 8
NH-100	Naval Hospital (E112) site 10

54	TAVSC
BB-11	Graphic Arts
TC-770	Branch Medical Clinic
15	Branch Medical Clinic
M-128	Branch Medical Clinic
AS-100	Branch Medical Clinic
FC-308	Branch Medical Clinic
BB-118	Branch Medical Clinic
1231	MCX

Locations of previous silver recovery units:

Building No.	Unit Name
80	Defense Printing Plant
NH-100	Naval Hospital (S216) site 4
NH-100	Naval Hospital (E110) site 9
835	Camp Lejeune High School
1006	Base Disbursing

### **Oil/Water Separators, Spill Containment, and Industrial Sewers**

In the late 1970s, MCB Camp Lejeune began a campaign of improving its industrial waste management processes. It implemented a program of constructing grit chambers, storm water by-pass chambers, and oil/water separators at major industrial areas where vehicle maintenance occurs outdoors. Oil/water separators were connected to the sewer system. Additionally, spill containment around loading racks and fuel farms was constructed to prevent and control accidental releases. The Industrial Waste Collection and Treatment Facilities plan sheets were included in the *Facility Assessment Preliminary Review Document* (EnSafe, October 1995). Forty-six grit chambers, 31 storm water by-pass chambers, 44 oil/water separators, and 13 spill containment basins were constructed in the early 1980s. Nine wash racks, 22 oil/water separators, and 10 spill containment basins have been included as solid waste management units in this report. These sites are shown on Figure 4 of Appendix B. These sites are listed below.

### Used Oil Tanks

Thirty-eight waste oil tanks were installed in the early 1980s at a number of the industrial facilities. Most of these tanks were USTs. More than 90 used oil tanks are on base. Eighteen used oil tanks are included as SWMUs in this report. These sites are shown on Figure 4 of Appendix B. These sites are listed below.

### Storm Water Conveyances

In the late 1970s MCB Camp Lejeune began a program of diverting a number of industrial discharges from the storm water conveyances to its sewer system. MCB Camp Lejeune constructed a number of storm water by-pass chambers which allow the first flush from a storm to discharge to the sewer system. As storm water runoff increases, the flow is diverted to storm water conveyances. In the early 1980s, nine storm water storage tanks and 10 storm water overflow boxes were constructed. Five oil skimmers were constructed in ditches at MCAS New River. Additionally, six boiler blowdowns were connected to the sewer system.

In 1993, MCB Camp Lejeune had two storm water studies conducted: *Storm Water Discharge Study Final Phase 2 Report Illicit Discharge Investigation, Marine Corps Base Camp Lejeune, North Carolina. (Sirrinc Job No. R-3873.00)*, Sirrine Environmental Consultants, April 1993, and *Storm Water Discharge Study Final Phase 1 Report Industrial Activity Inventory, Marine Corps Base Camp Lejeune, North Carolina, Volumes I and II. (Sirrinc Job No. R-3873)*, Sirrine Environmental Consultants, March 1993. It was reported there were more than 225 point-source discharges of storm water. As a result, MCB Camp Lejeune has implemented a program to reduce the number of point sources and improve management of storm water runoff.

The basewide storm water collection system is identified as SWMU S93 and the storm water ponds are identified as SWMU S328.

MCB Camp Lejeune has 17 storm water detention/infiltration ponds. Five of these ponds were

reviewed during EnSafe's 1996 site visit (Sites 2, 3, 4, 7, and 13). The following is a list of these units:

<b>Site No.</b>	<b>Description</b>
1	Remote Pilot Vehicle Building 1747
2	Elec/Comm. Building 1445
3	USMC Commissary/Marine Fed. Credit/Main Exchange Buildings 1230, 1235, 1231
4	Elec/Comm. Veh. Maint./Bachelors Enlisted G St. and Building HP-307
5	Mechanics Training Building M-107
6	Vehicle Ready Fuel at Fuel Farm
7	Field Maint. Complex Building FC-286
8	Aircraft Rapid Refuel UNUM45
9	Building 909 Replacement Building 958
10	Elec/Comm. Building FC-51
11	Elec/Comm. Building FC-134
12	Exchange Vending Warehouse Building HP-1017
13	Exchange Maint. Shop Building HP-1016
14	C.L. High School Building 835 Pond 1
15	C.L. High School Building 835 Pond 2
16	Aviation Maint. Training Building As-510
17	Aircraft Maint. Hanger & Flight Line Security Building AS-143

Storm water Ponds 7 and 13 require confirmation sampling. Pond 7, Field Maintenance Complex, has the potential of receiving hazardous constituents. Pond 13, Exchange Maintenance Shop, was devoid of insects, frogs, and other natural wildlife. An object in the pond appeared to be a 55-gallon drum.

## Other Units

Other sites, such as, soil and debris piles, swimming pool backwash basins, release areas, scarp yard, PCB warehouse, and container storage areas are on-base. These and the above-mentioned non-IR and IR UST sites are listed below.

## 56 SWMU Sites Confirmation Sampling

SWMU No.	Site No. & Name
S89	SLCH785-Basin Base Maintenance
S253	1205-AST H&S Company HQSVC CO 2D MEF
S254	1408 Base Motor T
S255	1502-O/W-1 MCB Logistics Vehicle Maintenance
S256	1700-O/W-1 Base Maintenance
S257	1700-O/W-2
S258	1745-O/W Truck Company Operations, HQ BATT, 2D MAR DIV
S260	1780-O/W-1
S261	1780-UST-1
S262	1780-UST-2
S264	2611-Container
S265	2615-O/W
S268	522 Dumpster 2D MAR DIV
S269	816 - O/W
S272	AS 137 Basin MCAS
S273	BA 128/BA 105 Dumpster
S275	BB-48 Dumpster Construction Shop
S277	FC 120 Dumpster
S279	FC200-O/W
S280	FC285-AST
S283	Release (FC279)
S285	S947-O/W Environmental Management
S286	S947-Pile
S288	STC868-Rack
S291	034 Ditch 5TH BN, 10TH Marines, 2D MAR DIV
S292	1106/1107-AST Motor T-Auto Hobby Shop MWR
S293	1106/1107-O/W Motor T-Auto Hobby Shop MWR
S294	1203-O/W Base Maintenance
S295	1601-AST 2D FSSG
S296	1700-Basin-B Base Maintenance
S297	1780-O/W-2 Truck Company Maintenance, HQ BATT, 2D MAR DIV

S298	1780-O/W-3 Near BLDG 1780
S299	AS114-AST MCAS Auto Hobby Shop
S300	AS118-AST Logistic Motor Transportation
S301	AS4115-AST MHLA 167, MAG 26, 2D MAW
S302	AS504-AST HMH 362 (AS566)
S303	AS515-AST-E HMM 266 HMM 261
S304	BA130-O/W Motor T, 2D RECON BN, 2D MAR DIV
S305	BB224-Pile MCB
S306	FC230-O/W-1 8TH Communications BN, 2D SRIG
S307	G649-Rack Base Maintenance
S308	GP19-O/W 8TH Engineers, 2D FSSG
S309	NH118-UST Near BLDG NH 118
S310	PT33-Pond-O/W MCB Kitchen Grease Contractor
S311	S1619-O/W 8TH Communications BN, 2D SRIG
S312	S1735-O/W Base Maintenance
S313	S1753-O/W-AST Small Craft CO, HQ BN, 2D MAR DIV
S314	SM187-O/W Marine Corps Supported Services School Group
S315	SM269-Basin Near BLDG M 200
S316	TC773-O/W School of Infantry
S317	TT2453-Release Near BLDG TT 2453
S318	AS515-O/W Near BLDG AS 515
S319	Camp Geiger Wastewater Treatment Plant
S336	Paint Stripper, BLDG 4106, MALS 29
S337	Paint Stripper, BLDG 518, MALS 26
S339	Sand Blaster, BLDG 4146, MALS 26

Additionally, the dumpster at Building FC 286 and storm water ponds (FC 286 and MWR) require sampling.

#### 71 No Further Action Sites

SWMU No.	Site No. & Name
S1	1014-Container Marine Corps Base
S2	1700-Pond A Base Maintenance
S3	236-Backwash Marine Corps Base Swimming Pool
S4	540-Backwash Marine Corps Base Area 5 Training Pool
S5	575-Rack 2ND LAI, 2D MAR DIV
S6	A1-Rack 2D Amphibious Assault BN, 2D MAR DIV
S10	AS-Curtis Ditch MCAS

S11	AS-Longstaff-Ditch MCAS
S12	AS-Primington-Ditch MCAS
S13	AS119-Rack Base Motor Transport
S14	AS226-Still Solvent Reclamation Still
S15	AS3003-Ditch MCAS
S16	AS4151-Basin Base Maintenance
S17	AS5020-Ditch MCAS Drainage Ditch
S18	AS605-UST MCAS (Pesticide)
S20	Backwash Pond for BLDG 670 WPT
S21	Backwash Pond for Onslow Beach WPT
S22	Backwash Pond for Hadnot Point WPT
S23	Backwash Pond for MCAS WPT
S24	BB190-Backwash
S25	BB9-Basin MCB
<b>S26</b>	<b>Dumpsters, Basewide Industrial*</b>
<b>S27</b>	<b>Dumpsters, Basewide Non-industrial</b>
S30	FC19-Rack H&S BN, 2ND FSSG
<b>S31</b>	<b>Grease Traps, Basewide</b>
S32	H36-Rack HQSV CO ENGR 2D MEF
<b>S33</b>	<b>Less Than 90-Day HW Sites, Basewide</b>
S35	M105-Rack
<b>S36</b>	<b>Oil/Water Separators, Basewide*</b>
S37	PCB Warehouse
S38	PT33-Pile MCB
S39	S1001-Basin MCB
<b>S40</b>	<b>Sanitary Sewer, Basewide</b>
S41	SAS137-Basin BLDG SAS137
<b>S42</b>	<b>Silver Recovery Units, Basewide</b>
S90	SM264-Rack
S91	ST32-Pile Construction Debris Soil Pile, Tarawa Terrace
S92	STC872-Pile DRMO
<b>S93</b>	<b>Storm Water Collection System Basewide</b>
S94	TC364 Basin Near BLDG TC 364
S95	TP45-Rack Truck Driving School
<b>S96</b>	<b>Used Oil Tanks, Basewide*</b>
S196	45-Pond MCB
S207	DRMO Yard Near BLDG 861
S209	SA22-Pile Near BLDG SA 22
S259	1775 Dumpster
S263	1808 Dumpster
S266	2615 Dumpster, Officer Club
S267	511 Dumpster, 2D MAR DIV - RECON BN

S270	902 Dumpster, 2D FSSG
S271	AS410 Dumpster, MWR Gas Station
S274	BB-245 Dumpster, Exchange
S276	BB-49 Dumpster, Base Maintenance
S278	FC-190 Dumpster, 2D FSSG
S281	H100 Dumpster, 2D MAR DIV, 8TH Marines
S282	LCH 4034 Dumpster, MWR Gas Station/7 Day Store
S284	S947-Container EMD (roll-offs)
S287	Site 45 Dumpster Base Maintenance
S289	TT 2453 Dumpster, MWR Hobby Shop
S290	TT 2478 Dumpster, MWR Gas Station
S322	Existing Landfill
S323	Future Landfill
S325	HW Facility
S326	Incinerator NH-100
<b>S328</b>	<b>Storm Water Ponds Basewide*</b>
S331	FC-286 Vat 1, 2D FSSG
S332	FC-286 Vat 2, 2D FSSG
S333	FC-280 Vat 3, 2D FSSG
S334	FC-280 Vat 4, 2D FSSG
S335	FC-280 Vat 5, 2D FSSG
S338	FSC-282 <90-Day Storage for Bead Blaster

#### **NFA Wastewater Treatment Plants**

<b>SWMU No.</b>	<b>Site No. &amp; Name</b>
S320	Camp Johnson Wastewater Treatment Plant
S321	Courthouse Bay Wastewater Treatment Plant
S324	Hadnot Point Wastewater Treatment Plant
S327	Onslow Beach Wastewater Treatment Plant
S329	Rifle Range Wastewater Treatment Plant
S330	Tarawa Terrace Wastewater Treatment Plant

#### **6.5 Visual Site Inspection List**

EnSafe conducted a limited VSI in November and December 1993 and again in July 1996. EnSafe was tasked with identifying and visiting 265 sites in 1993 and 49 sites in 1996. Approximately 341 SWMUs were visited.

The units recorded and visited in 1993, included 119 oil/water separators, 81 less-than-90-day accumulation areas, 53 used oil ASTs, 20 used oil USTs, 10 vehicle wash racks which were not connected to oil/water separators and 19 which were connected, eight spill containment basins, six soil piles, six ditches, three backwash basins, three container sites, three ponds, two releases, and one solvent recovery still.

The sites visited in 1996 included: 18 dumpsters, seven previously visited sites, five storm water ponds, five solvent vats, two abrasive paint removal processes, two chemical paint removal processes, seven wastewater treatment plants, two silver recovery units, and one grease trap. EMD visited about 178 dumpsters in 1996.

Additionally, EMD compliance and IR personnel visit nearly every listed SWMU at least once per year.

## 7.0 CONCLUSIONS AND SUGGESTED ACTIONS

This section provides corrective action recommendations for the units. These recommendations are designed to provide the best management approach in handling those units requiring further investigation or immediate corrective action.

### 7.1 SWMU Recommendations

Each SWMU was recommended for one of the following actions, based on site investigation and/or the records reviewed:

- A. No Further Action — SWMUs exhibiting no history of, visible evidence of, or potential for release of regulated constituents. (78 Entries)
  
- B. Corrective Action Currently Under the Installation Restoration Program (IRP) — All sites listed under the Site Management Plan, previously identified under the IAS, identified in the FFA, identified for future inclusion in the IRP, or previously addressed by the IRP are contained under this recommendation. (88 Entries)
  
- C. Corrective Action Currently Under the UST Program (DEM) — Includes USTs that are currently under the jurisdiction of the LUST Program, administered by the Groundwater Section of NCDEHNR's DEM. (120 Entries)
  
- D. Confirmatory Sampling - Preliminary Assessment/Site Investigation (PA/SI) — Sites where sampling is required to confirm whether hazardous constituents have been released to the environment. These sites typically display evidence of a potential release to the soil or groundwater, such as staining, oily sheens on water, or petroleum odor. (56 Entries)

## **7.2 Consolidated SWMU Categories**

To facilitate the review of MCB Camp Lejeune's SWMUs, several individual categories of SWMUs were consolidated into single SWMU Data Sheet entries. The approach taken was to consolidate NFA units only. Units recommended for further action were presented as independent Data Sheet entries. Consolidated entries include the following:

- A. Less than 90-Day Hazardous Waste Accumulation Sites (81 sites)
- B. Mess Hall Grease Traps, Basewide (33 Sites)
- C. Silver Recovery Units (32 Sites)
- D. Sanitary Sewage Collection System (Basewide)
- E. Storm Water Collection System (Basewide, 17 ponds, 225 point source discharges)
- F. Used Oil Storage Tanks (190 Sites)
- G. Oil/Water Separators (94 Sites)
- H. Nonindustrial Trash Dumpsters (2825 Sites)
- I. Industrial Dumpsters with NFA Required (169 Sites)

Pollution prevention and regulatory compliance efforts at these sites are a major focus of MCB Camp Lejeune's environmental program, aimed to preclude uncontrolled releases of pollutants. MCB Camp Lejeune has an ongoing environmental training program to educate the civilian and military work force to establish good "housekeeping" practices and to prevent the disposal or release of regulated materials in an inappropriate manner. In addition, specific procedures to prevent unwanted releases are routinely reviewed at regularly scheduled meetings with the Environmental Compliance Coordinators from tenant and base organizations.

## 8.0 REFERENCES

- Baker Environmental, Incorporated. (September 29, 1993). *Final Fiscal Year 1994 Site Management Plan for Marine Corps Base, Camp Lejeune, North Carolina*. Coraopolis, Pennsylvania.
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- Geophex, Limited. (March 1993). *Hazardous Waste Minimization Program Assessment and Recommendations, Marine Corps Base, Camp Lejeune, North Carolina*. Raleigh, North Carolina.
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Water and Air Research, Incorporated. (March 1983). *Initial Assessment Study of Marine Corps Base, Camp Lejeune, North Carolina*. Gainesville, Florida.

**Appendix A**  
**Draft RFA Report**

Resource Conservation and Recovery Act  
Facility Assessment  
Report

Camp LeJeune Military Reservation  
Jacksonville, North Carolina

The Environmental Protection Agency  
Region IV  
Federal Facilities Section

### Site Description

The Camp LeJeune Military Reservation covers approximately one hundred and seventy (170) square miles within Onslow County located in the south-central part of North Carolina. The Atlantic Coast forms the eastern and southern boundaries of the reservation as shown in Figure One.

Approximately fifty thousand (50,000) military personnel and their dependants live on the reservation. The reservation includes the Marine Corps Base (MCB) Camp LeJeune and the Marine Corps Air Station (MCAS) New River commands. The two commands are separated by the New River and by Southwest Creek and Brison Creek, tributaries to the New River.

Waste generation, treatment and disposal as a result of industrial activities on Camp LeJeune Military Reservation have necessitated the use of numerous landfill areas and sewage treatment facilities. Training activities on the reservation require the use of numerous large tracked and wheeled support vehicles. Past hazardous waste management practices included direct ground or storm drain deposition of waste oils and waste solvents generated through maintenance operations conducted primarily at the Hadnot Point Industrial Area (HPIA).

The training mission of MCB Camp LeJeune requires the use of live ordnances which are fired upon well defined impact areas. Unexploded rounds are localized, where ordnance is electrically exploded or burned within two (2) disposal cells, with one sited in the interior part of both the X-2 and G-10 Impact Areas.

Fuel Farms serving MCB Camp LeJeune and MCAS New River have released significant known amounts of certain petroleum products contaminating subsurface soil and groundwater. In addition, fire training activities are conducted on MCAS New River.

### Environmental Compliance Status

#### RCRA Status:

The Camp LeJeune Military Reservation has approximately one hundred and fifty (150) hazardous waste generation units. These units are subject to the Resource Conservation and Recovery Act of 1976 (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984 (HSWA),

40 CFR Part 262. Transportation of hazardous waste by MCB Camp LeJeune is subject to RCRA/HSWA regulation under 40 CFR Part 263. Open Burning and Open Detonation (OB/OD) of explosives on the reservation is subject to RCRA/HSWA regulation under 40 CFR 264, Subpart X. Storage tanks on the reservation containing hazardous waste are subject to RCRA/HSWA regulation under 40 CFR Part 265.

Prior to the promulgation of HSWA, MCB Camp LeJeune was granted a Hazardous Waste Treatment, Storage and Disposal (TSD) Operating Permit on September 7, 1984, for containerized storage in buildings TP-451 and TP-463. A copy of the permit is provided as Appendix A. In response to a Notice of Violation determined by the North Carolina Department of Environment, Health, and Natural Resources (DEHNR), MCB Camp LeJeune submitted closure plans for eleven Hazardous Waste Storage Tanks containing waste oils contaminated with Freon, and they are as follows:

<u>Location</u>	<u>Tank</u>
Building 45 Holcomb Blvd.	S781
	S889
	S891
Tarawa Terrace	STT61
	STT62
	STT63
	STT64
	STT65
MCAS New River	AS-419
	AS-420
	AS-421.

DEHNR issued a Notice of Deficiency concerning the above referenced Hazardous Waste Storage Tanks to MCB Camp LeJeune on November 1, 1988.

On June 7, 1988, MCB Camp LeJeune submitted a Subpart X Open Burning and Open Detonation of explosives RCRA Part A Modification. A copy of the modification is provided as Appendix B. A RCRA Part B Modification Application concerning the OB/OD units was submitted by MCB Camp LeJeune on November 9, 1988. A copy of the application is provided as Appendix C. The modification application is currently subject to the Environmental Protection Agency Region IV (EPA) and DEHNR review.

Under the jurisdiction of Marine Corps Air Station Cherry Point, North Carolina, MCAS New River is solely a generator of hazardous waste without Interim Status. At this time, MCAS New River is considered a separate RCRA facility apart from MCB Camp LeJeune. However, upon issuance of the HSWA permit, founded on the fact that the K-2 Impact Area is located on the same contiguous property as is MCAS New River, corrective actions at MCAS New River will be conducted under the same RCRA/HSWA permit authority as MCB Camp LeJeune.

During the week of January 9 through 13, 1989, an RFA Site Inspection for Camp LeJeune Military Reservation was conducted by the Federal Facilities Section (FFS) of EPA and DEHNR. The RFA Report presents the results of an extensive file survey and the RFA Site Inspection. The RFA Report is intended to satisfy Section 3004(u) of RCRA, as amended by HSWA, which requires a RCRA Facility Assessment.

The RFA Report describes the FFS's Further Action determinations (i.e., RCRA Facility Investigation, Interim Measure, or No Further Action) concerning known or suspected releases of hazardous waste or hazardous constituents from Solid Waste Management Units on Camp LeJeune Military Reservation.

The primary objective of the RFA Report is to integrate, to the degree possible, the DON's future RCRA/HSWA responsibilities with ongoing CERCLA/SARA activities at Camp LeJeune Military Reservation.

#### CERCLA Status:

During the periods of March 15 through March 24, 1982 and January 1 through February 3, 1983, the Naval Energy and Environmental Support Activity (NEESA) conducted the Initial Assessment Study (IAS), for Camp LeJeune Military Reservation, as required by Section 211 of the Superfund Amendments and Reauthorization Act of 1986 (SARA). The FFS has determined that the IAS (1983) report satisfies the Preliminary Assessment requirement of Section 120 of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA), as amended by SARA. A copy of the IAS is provided as Appendix D. Based on the IAS concerning seventy-six (76) potentially contaminated sites (i.e., SWMUs) at Camp LeJeune Military Reservation, NEESA recommended No Further Action (NFA) at fifty-four (54) sites,

has prioritized twenty-two (22) sites for Confirmation Studies (i.e., CERCLA Section 120 Remedial Investigations or RIs). The initial results from the RIs have been completed and a report compiled (Evaluation of Data From Second Round of Verification Step Collection and Analysis, July 1987).

The initial RI analysis of site monitoring wells indicated the presence of significant levels of Volatile Organic Compound (VOC) contamination in the shallow aquifer. In January and February, 1985, subsequent analysis of drinking water well samples by DEHNR indicated that the shallow aquifer contamination had migrated downward into the deeper aquifer which provides potable water for the Camp LeJeune Military Reservation. Analysis of samples from the distribution system indicated the presence of Trichloroethylene (TCE), 1,2-trans-Dichloroethylene (DCE) and Methylene Chloride in the following maximum concentrations:

<u>Compound</u>	<u>Concentration</u>
TCE	3200 ppb
DCE	3400 ppb
Methylene Chloride	273 ppb.

VOC contamination has forced the Camp LeJeune Military Reservation to close eight (8) potable wells, and they are as follows:

Well

601  
602  
608  
634  
637  
651  
652  
653.

Also, two (2) additional wells, TT-26 and TT-New, serving potable water to the Tarawa Terrace Housing Area were closed due to an apparent off-site source of VOC contamination. The off-site source is believed to be the ABC One Hour Cleaners facility located in Jacksonville, North Carolina. This facility is a National Priorities List (NPL) site.

On December 12, 1986, EPA submitted the Hazard Ranking System (HRS) package for Camp LeJeune Military Reservation. The preliminary HRS

package for the reservation arrived 30.84. The HRS package was based on

the findings for IAS Site # 21 (i.e., Lot 140). Site # 21 is currently used to store out-of-service PCB contaminated transformers, and was used for a pesticide mixing and equipment cleanup area in the past.

On June 24, 1988, EPA proposed Camp LeJeune Military Reservation for inclusion on the NPL with the Seventh NPL Update at 40 C. F. R. Part 300 (53 Federal Register 23988). On October 4, 1989, EPA finalized Camp LeJeune Military Reservation on the NPL at 40 C. F. R. Part 300 (54 Federal Register 41015), which became effective on November 4, 1989.

A Remedial Investigation and Feasibility Study Report was submitted to EPA and DEHNR for review and comment by the DON for the HPIA Shallow Aquifer Operable Unit. EPA provided comments (letter from Lucius to Calzell) on September 29, 1988, concerning deficiencies in the RI/FS documentation. As of the date of this RFA Report, DON has not adequately responded to EPA comments on the HPIA RI/FS.

EPA, DEHNR and DON have negotiated a Federal Facility Agreement (FFA) under Section 120 of CERCLA to address the remedial/corrective action of Camp LeJeune Military Reservation. The further action determinations below are consistent with the requirements of the FFA.

#### Further Action Determinations

#### No Further Action Sites:

<u>Site #</u>	<u>Site Name</u>
4	Sawmill Road Construction Debris Dump
5	Piney Green Road
8	Flammable Storage Warehouse Building TP451 & TP452
10	Original Base Dump
11	Pest Control Shop
13	Golf Course Construction Dump Site
14	Knox Area Rip-Rap
15	Montford Point Burn Dump 1948-1954
17	Montford Point Rip-Rap
18	Watkins Village (E) Site
19	Naval Research Lab Dump
20	Naval Research Lab Incinerator

<u>Site #</u>	<u>Site Name</u>
23	Roads and Grounds Building 1105
25	Base Incinerator
26	Coal Storage Area
27	Naval Hospital Area Rip-Rap
29	Base Sanitary Landfill
31	Engineering Stockyard G-4 Range Road
32	French Creek
33	Onslow Beach Road
34	Ocean Drive
37	Camp Geiger Area Surface Dump
38	Camp Geiger Area Construction Dump
39	Camp Geiger Construction Slab Dump
40	Camp Geiger Area Borrow Pit
42	Building 705/BQO Dump
44	Jones Street Dump
46	MCAS Main Gat Dump
47	MCAS Rip-Rap Near Stick Creek
49	MCAS Suspected Minor Dump
50	MCAS Small-Craft Berthing Rip-Rap
51	MCAS Football Field
53	MCAS Warehouse Building Area/Oiled Roads
55	Air Station East Perimeter Dump
56	MCAS Oiled Roads to Marina
57	Runway 36 Dump
58	MCAS Tank Training Area
60	Explosive Ordnance Disposal K-326 Range
61	Rhodes Point Road Dump
62	Race Course Area Dump
63	Vernon Road Dump
64	Marines Road-Sneads Ferry Road Mogas Spill
66	AMTRAC Landing Site and Storage Area
70	Oak Grove Field Surface Dump
71	Oak Grove Buried Dump
<u>72</u>	Oak Grove Coal Pile

Total = 46

REA Sampling Sites:

<u>Site #</u>	<u>Site Name</u>
3	Old Creosote Plant
7	Tarawa Terrace Dump
12	Explosive Ordnance Disposal (G-4)

<u>Site #</u>	<u>Site Name</u>
43	Agan Street Dump
59	MCAS New River Infantry Training Area
65	Engineer Area Dump
<u>67</u>	Engineers TNT Burn Site

Total \* 7

The purpose of RFA sampling is to provide the data necessary to justify previous NFA decisions documented in the IAS (1983) Report. The RFA sampling decisions were based on the following types of information: IAS Report, historical photographs, evidence of stained soil, evidence of surface water impacts and evidence of indiscriminate dumping. The following is a suggested RFA sampling strategy:

<u>Site #</u>	<u>RFA SAMPLING</u>
3	Sample surface sediments and subsurface soils;
7	Sample surface sediments and subsurface soils;
12	Sample surface sediments and subsurface soils;
43	Sample nearby downgradient surface water bodies;
59	Sample nearby downgradient surface water bodies;
65	Sample surface sediments and subsurface soils;
<u>67</u>	Sample surface sediments and subsurface soils.

RFA Sites:

<u>Site #</u>	<u>Site Name</u>
1	French Creek Liquids Disposal Area
2	Former Nursery/Day-Center (Bldg. 712)
6	Storage Lots 201 & 203
9	Fire Fighting Training Pit
16	Montford Point Burn Dump
21	Transformer Storage Lot 140
22	Industrial Area Tank Farm
24	Industrial Area Fly Ash Dump
28	Hadnot Point Burn Dump

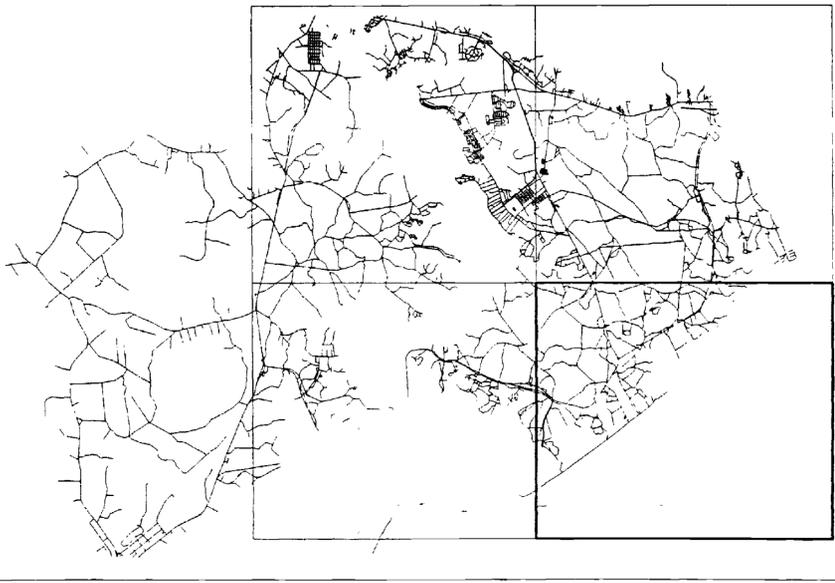
<u>Site #</u>	<u>Site Name</u>
30	Sneads Ferry Road Fuel Tank Sludge Area
35	Camp Geiger Area Fuel Farm
36	Camp Geiger Area Dump near Sewage Treatment Plant
41	Camp Geiger Dump near former Trailer Park
45	Campbell Street Underground Avgas Storage and Adjacent JP Fuel Farm at MCAS New River
48	MCAS New River Mercury Dump Site
54	Crash Crew Fire Training Burn Pit at MCAS New River
68	Rifle Range Dump
69	Rifle Range Chemical Dump
73	Courthouse Bay Liquids Disposal Area
74	Mess Hall Grease Pit Area
75	MCAS New River Basketball Court Site
76	MCAS New River Curtis Road Site
<u>8</u>	MCAS (H) Officer's Housing Area

Total = 23

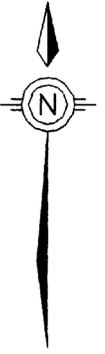
The purpose of RFI sampling is to provide the data necessary to completely characterize, by compound, the nature and extent of contamination at each site. The RFI sampling decisions were based on information compiled by the IRP at Camp LeJeune Military Reservation.

## **Appendix B**

### **Figures**



SE Quadrant



Scale 1: 8,000

Note:  
 These Sites are Under Investigation or Remediation  
 Data Provided by the Geographic Information Systems Office,  
 Environmental Management Department,  
 Marine Corps Base, Camp Lejeune, NC

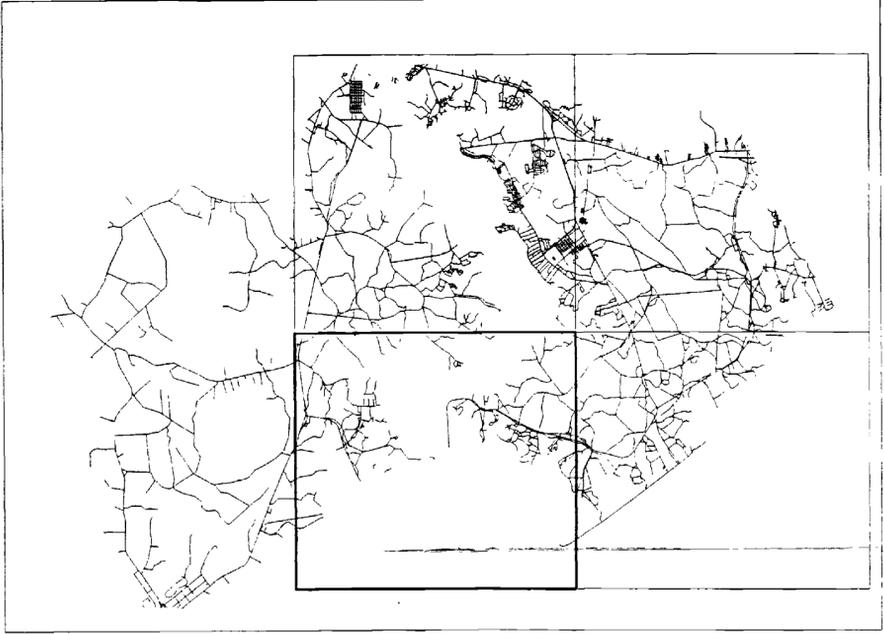
02358 B01X

**EN SAFE**

5724 Summer Trees Drive, Memphis, TN, 38134  
 Panama City, FL; Nashville, TN; Raleigh, NC; Charleston SC.

FIGURE 1-SE

Installation Restoration Location Site Map  
 Marine Corps Base  
 Camp Lejeune



SW Quadrant



Scale 1: 8,000

Note:  
 These Sites are Under Investigation or Remediation  
 Data Provided by the Geographic Information Systems Office,  
 Environmental Management Department,  
 Marine Corps Base, Camp Lejeune, NC

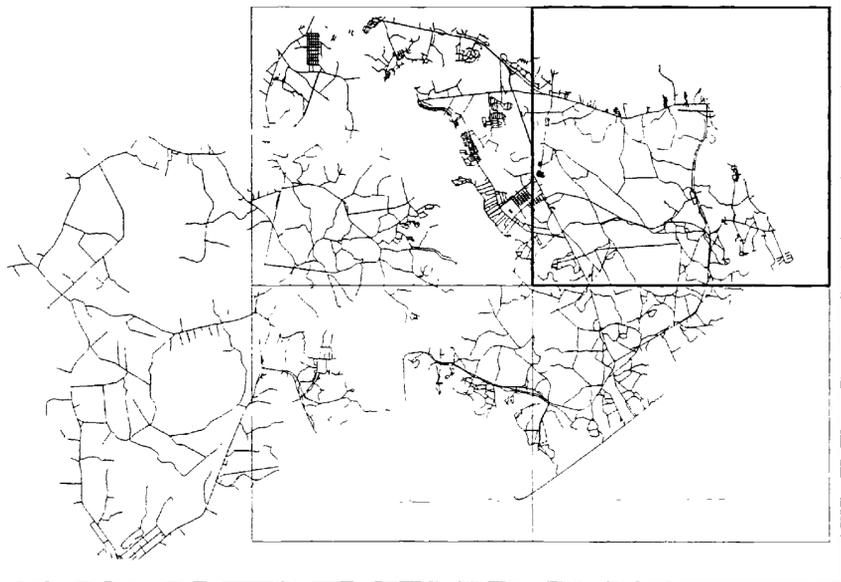
02358 B02X

**ENVSAFE**

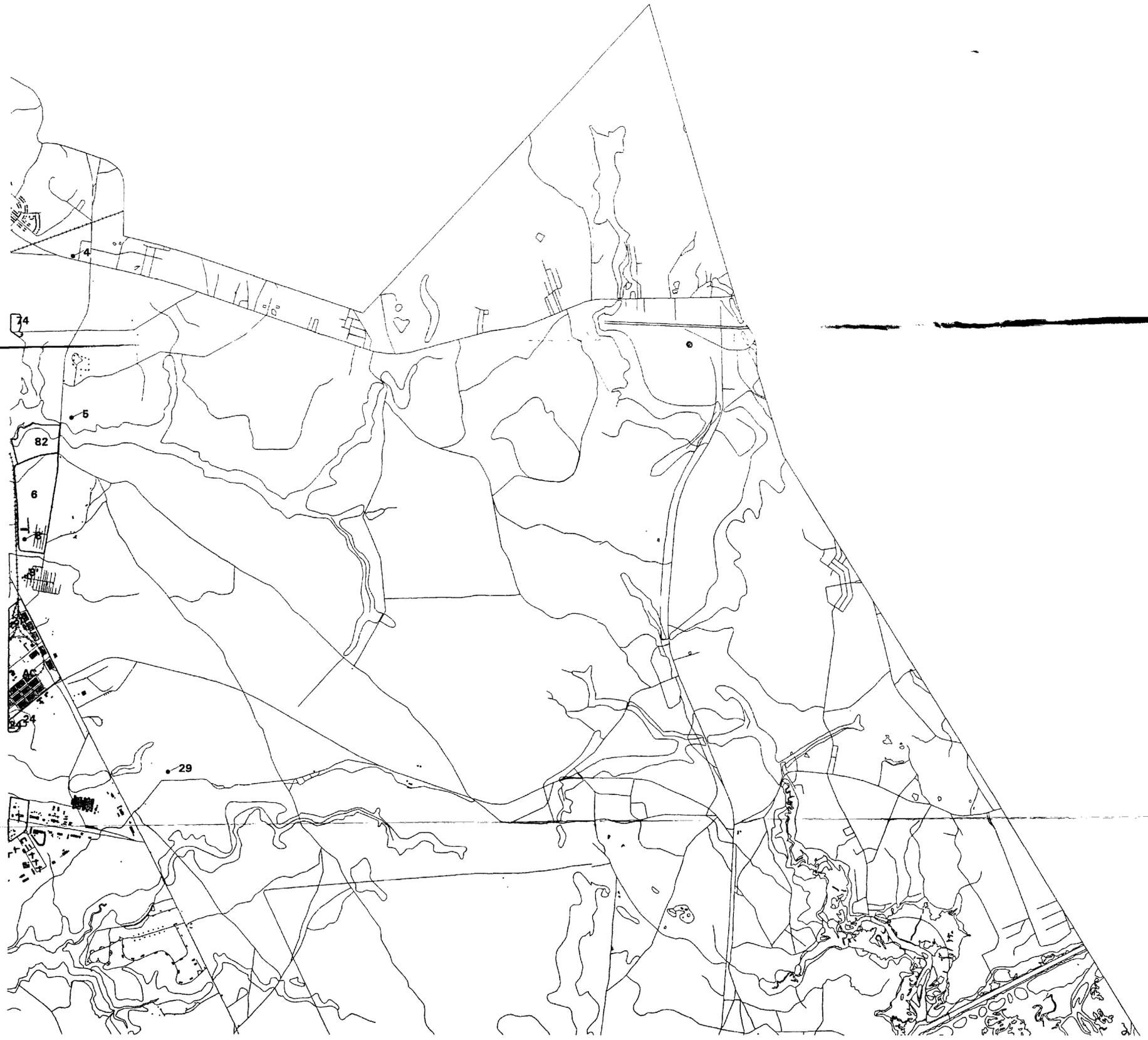
6724 Summer Trees Drive, Memphis, TN, 38134  
 Pensacola, FL; Nashville, TN; Raleigh, NC; Charleston SC.

FIGURE 1-SW

Installation Restoration Location Site Map  
 Marine Corps Base  
 Camp Lejeune



NE Quadrant



Scale 1: 8,000

Note:  
 These Sites are Under Investigation or Remediation  
 Data Provided by the Geographic Information Systems Office,  
 Environmental Management Department,  
 Marine Corps Base, Camp Lejeune, NC

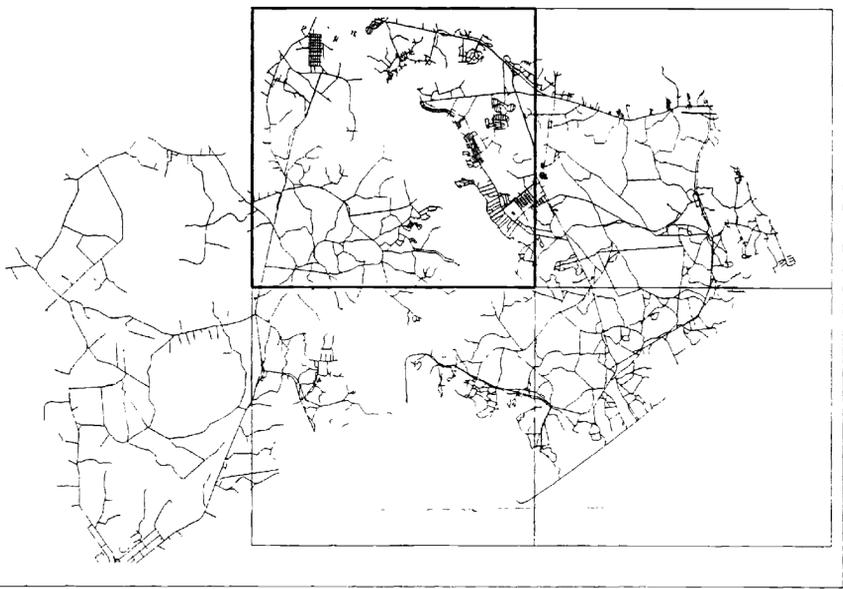
02358B03X

**ENV SAFE**

5724 Summer Trees Drive, Memphis, TN, 38134  
 Pensacola, FL; Nashville, TN; Raleigh, NC; Charleston SC.

FIGURE 1-NE

Installation Restoration Location Site Map  
 Marine Corps Base  
 Camp Lejeune



NW Quadrant



Scale 1: 8,000

Note:  
These Sites are Under Investigation or Remediation  
Data Provided by the Geographic Information Systems Office,  
Environmental Management Department,  
Marine Corps Base, Camp Lejeune, NC

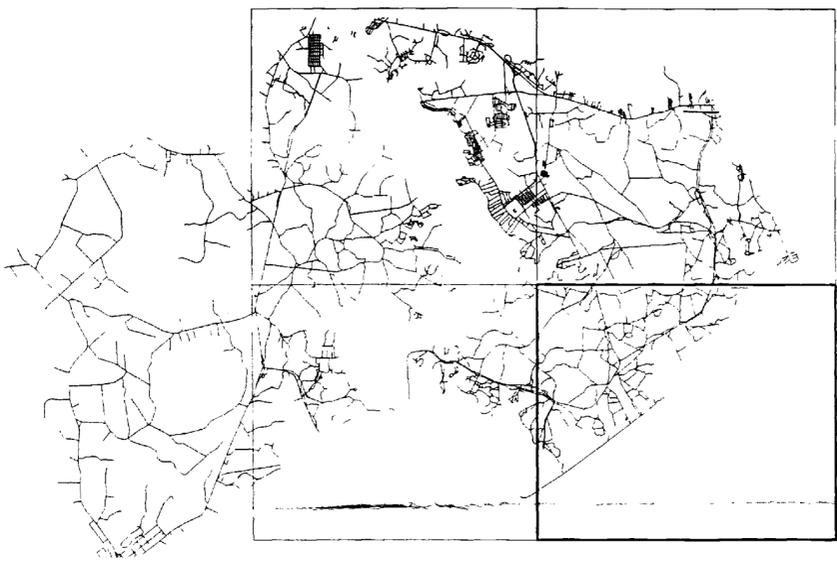
02358 B04X

**EN SAFE**

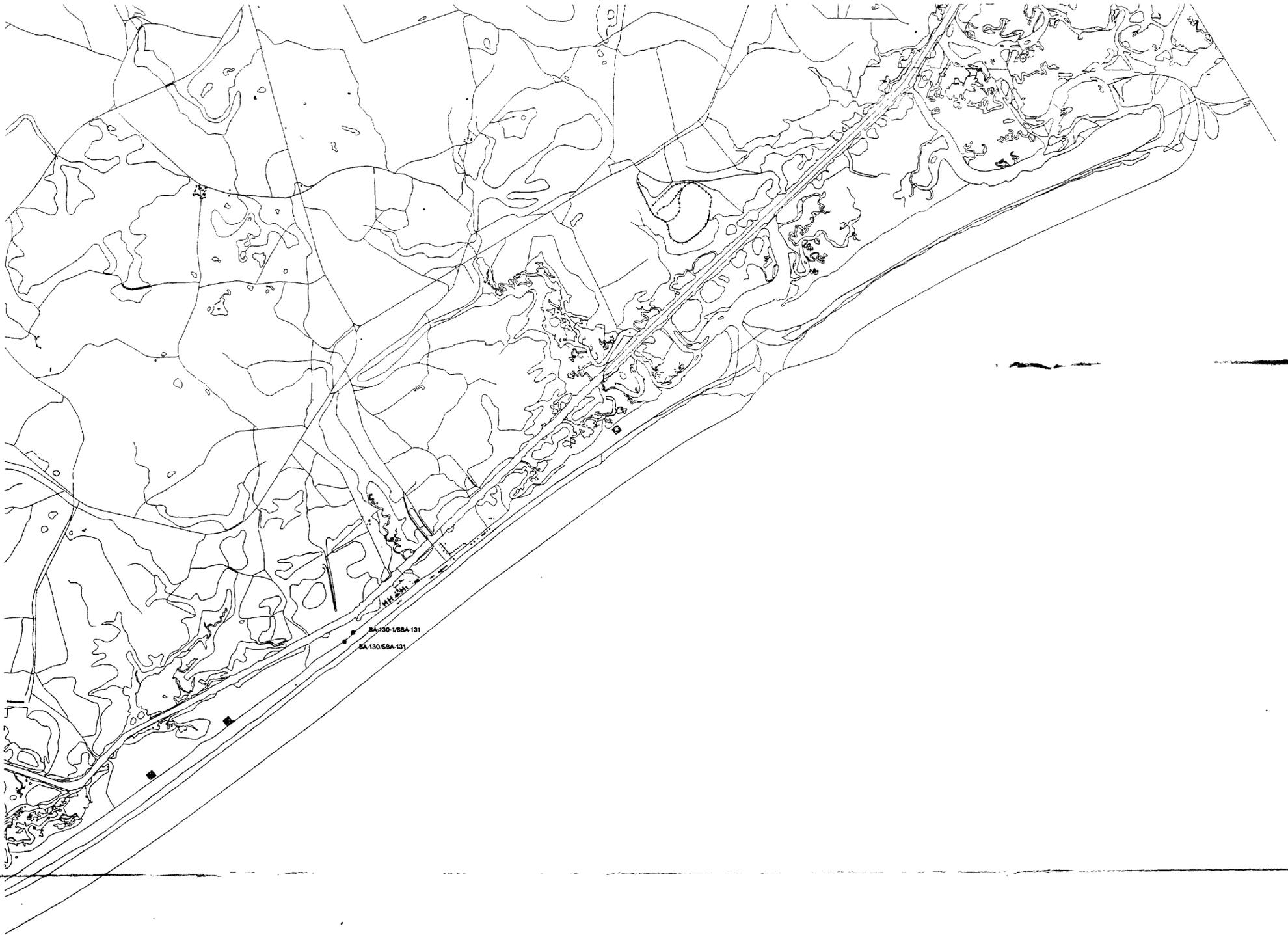
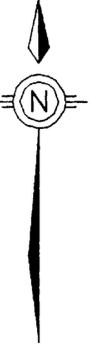
5724 Surger Trees Drive, Memphis, TN, 38134  
Pensacola, FL; Nashville, TN; Raleigh, NC; Charleston SC.

FIGURE 1-NW

Installation Restoration Location Site Map  
Marine Corps Base  
Camp Lejeune



SE Quadrant



Scale 1: 8,000

Note:  
Data Provided by the Geographic Information Systems Office,  
Environmental Management Department,  
Marine Corps

02358B05X

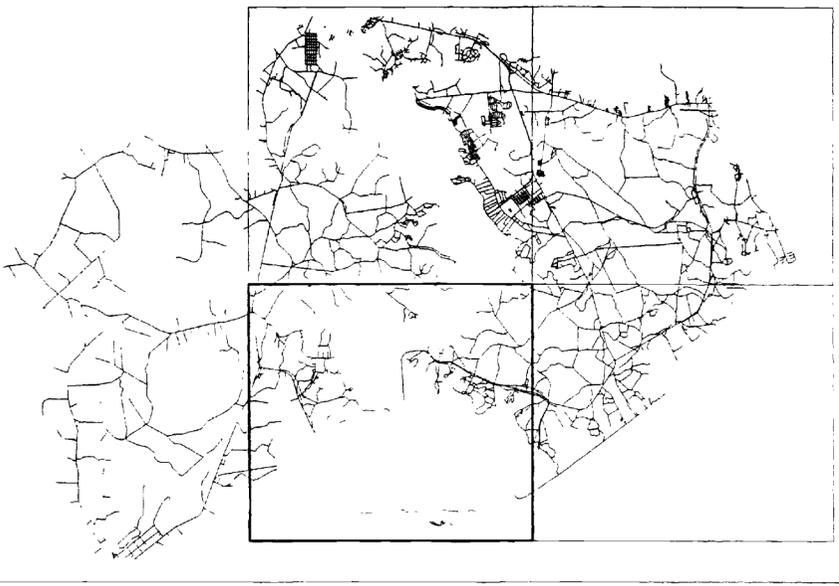
**EN SAFE**

5724 Summer Trees Drive, Memphis, TN, 38134  
Pensacola, FL; Nashville, TN; Raleigh, NC; Charleston SC.

FIGURE 2-SE

Installation Restoration UST Location Site Map  
Marine Corps Base  
Camp Lejeune

SW Quadrant



Scale 1: 8,000

Note:  
Data Provided by the Geographic Information Systems Office,  
Environmental Management Department,  
Marine Corps

02358B06X

**EN SAFE**

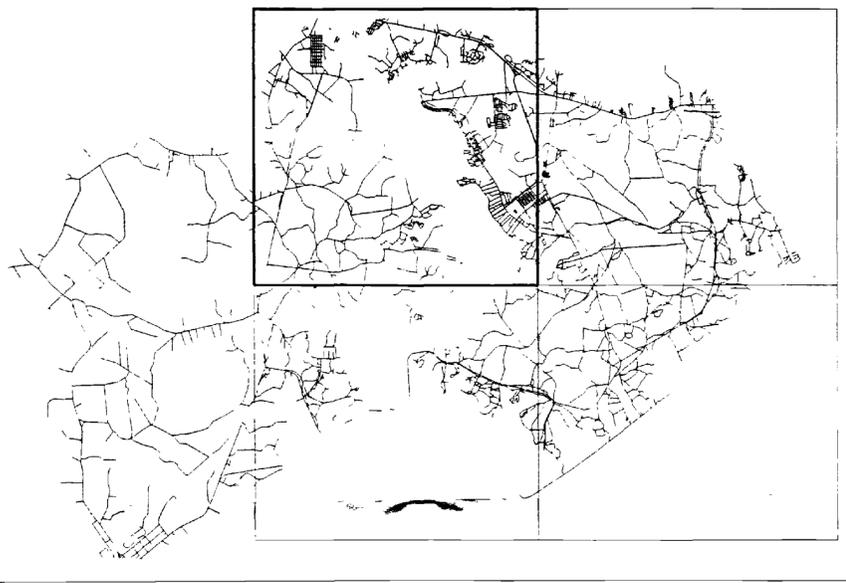
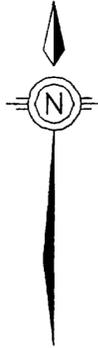
5724 Summer Trees Drive, Memphis, TN, 38134  
Pensacola, FL; Nashville, TN; Raleigh, NC; Charleston SC.

FIGURE 2-SW

Installation Restoration UST Location Site Map  
Marine Corps Base  
Camp Lejeune



NW Quadrant



Scale 1: 8,000

Note:  
Data Provided by the Geographic Information Systems Office,  
Environmental Management Department,  
Marine Corps

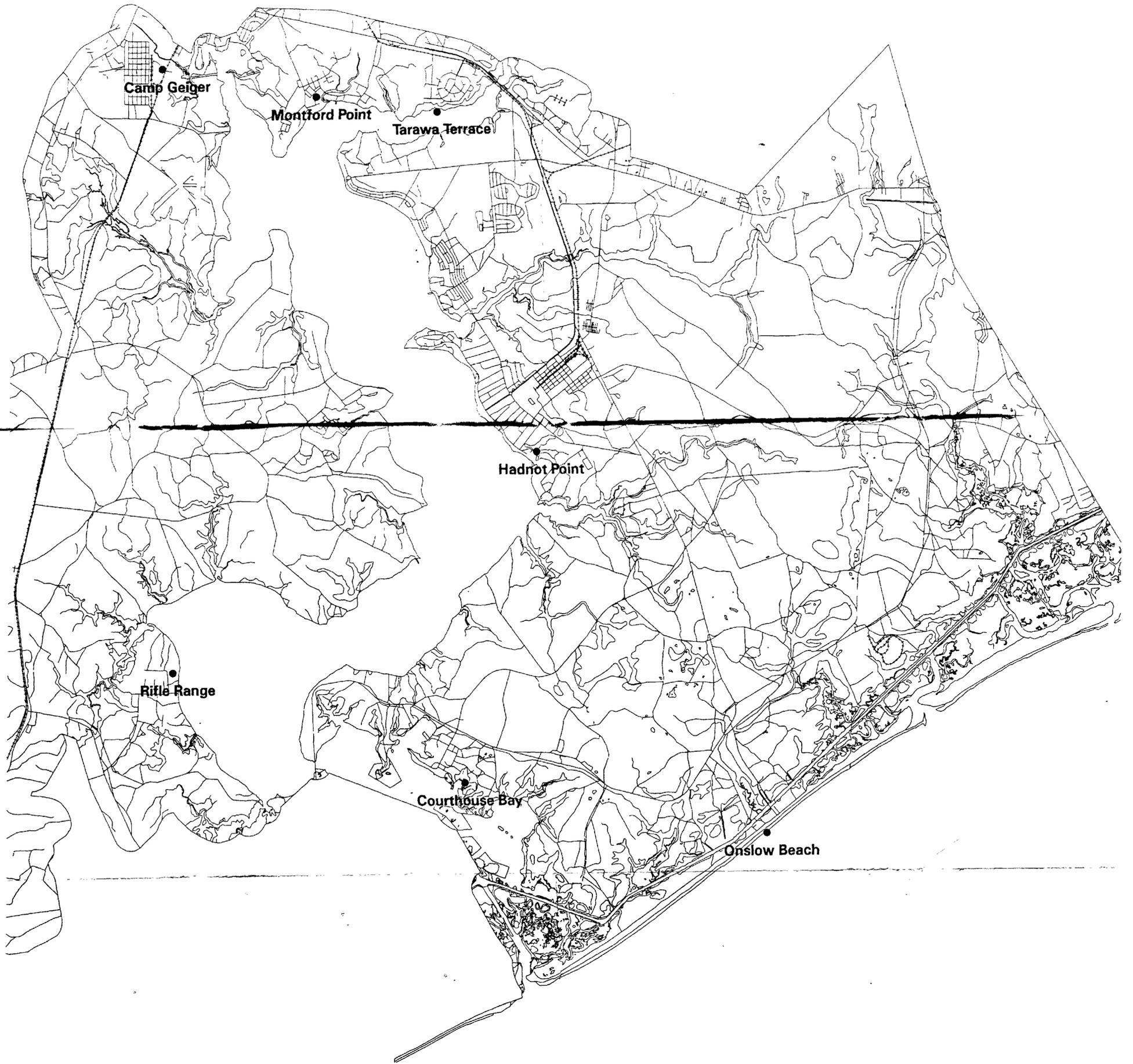
02358808X

**EN SAFE**

5724 Summer Trees Drive, Memphis, TN, 38134  
Pensacola, FL; Nashville, TN; Raleigh, NC; Charleston SC.

FIGURE 2-NW

Installation Restoration UST Location Site Map  
Marine Corps Base  
Camp Lejeune



Scale 1: 15,000

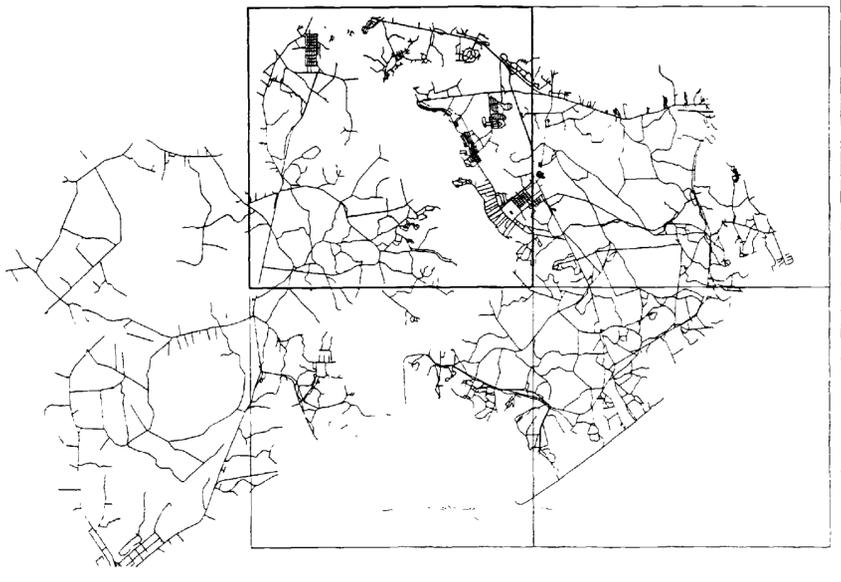
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**EN SAFE**

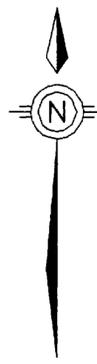
5724 Summer Trees Drive, Memphis, TN, 38134  
Pensacola, FL; Nashville, TN; Raleigh, NC; Charleston SC.

FIGURE 3

Waste Water Treatment Plant Location Site Map  
Marine Corps Base  
Camp Lejeune



NW Quadrant



**LEGEND**  
 • Confirmation Sampling  
 ▲ No Further Action

Scale 1: 8,000

Note: Data Provided by the  
 Geographic Information Systems Office,  
 Environmental Management Department,  
 Marine Corps Base, Camp Lejeune, NC

02358B10X

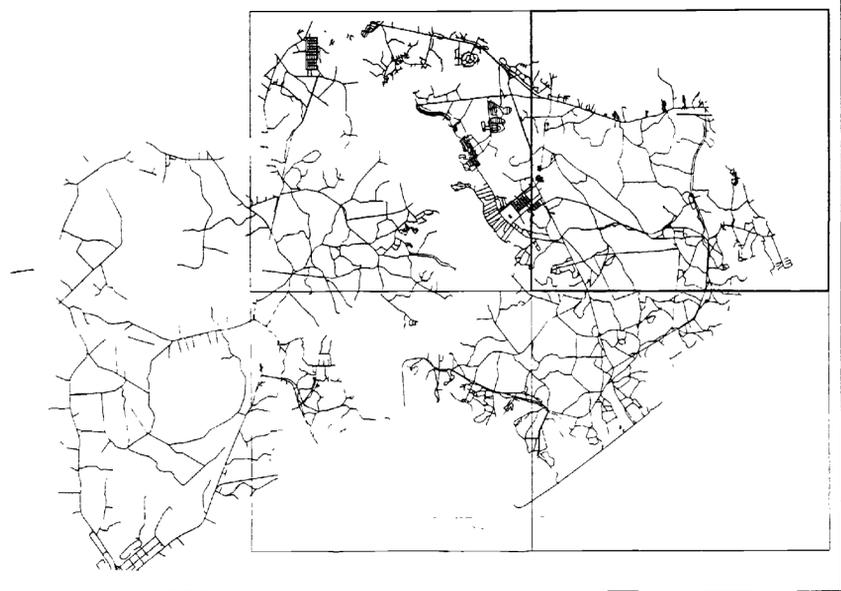
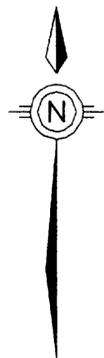
**ENV SAFE**

5724 Summer Trees Drive, Memphis, TN, 38134  
 Pensacola, FL; Nashville, TN; Raleigh, NC; Charleston SC.

**FIGURE 4**

**SWMU Locations  
 Marine Corps Base  
 Camp Lejeune**

NE Quadrant



LEGEND

- Confirmation Sampling
- ▲ No Further Action

Scale 1: 8,000

Note: Data Provided by the  
Geographic Information Systems Office,  
Environmental Management Department,  
Marine Corps Base, Camp Lejeune, NC

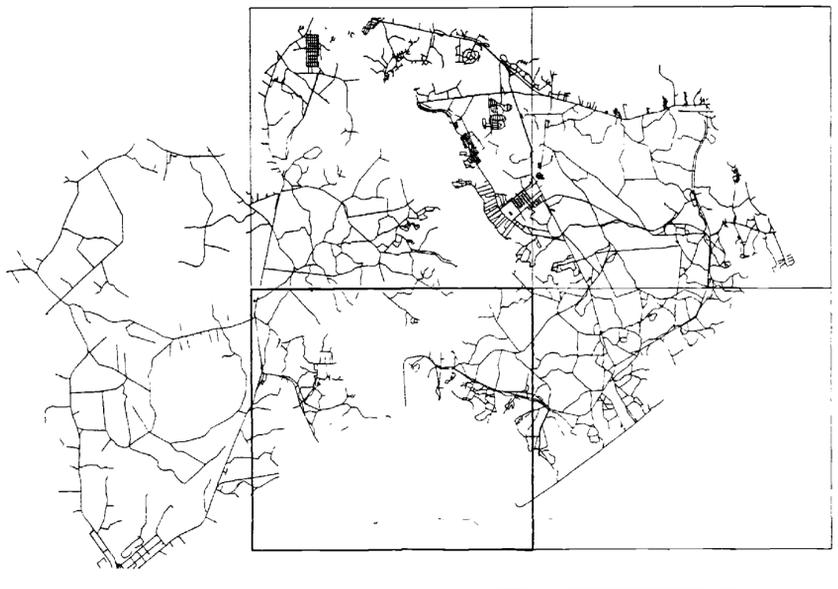
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**EN SAFE**

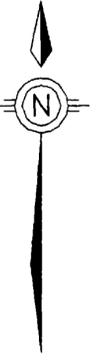
6724 Summer Trees Drive, Memphis, TN, 38134  
Pensacola, FL; Nashville, TN; Raleigh, NC; Charleston SC.

FIGURE 4

SWMU Locations  
Marine Corps Base  
Camp Lejeune



SW Quadrant



LEGEND

- Confirmation Sampling
- ▲ No Further Action

Scale 1: 8,000

Note: Data Provided by the  
Geographic Information Systems Office,  
Environmental Management Department,  
Marine Corps Base, Camp Lejeune, NC

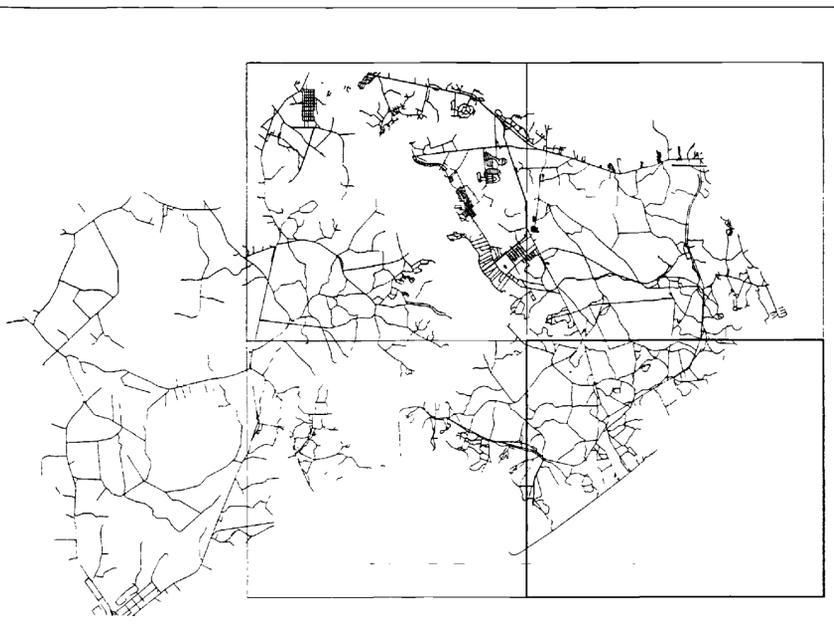
02358B12X

**EN SAFE**

5724 Summer Trees Drive, Memphis, TN, 38134  
Pensacola, FL; Nashville, TN; Raleigh, NC; Charleston SC.

FIGURE 4

SWMU Locations  
Marine Corps Base  
Camp Lejeune



SE Quadrant



LEGEND

- Confirmation Sampling
- ▲ No Further Action

Scale 1: 8,000

Note: Data Provided by the  
Geographic Information Systems Office,  
Environmental Management Department,  
Marine Corps Base, Camp Lejeune, NC

02358B13X

**EN SAFE**

5724 Summer Trees Drive, Memphis, TN, 38134  
Pensacola, FL; Nashville, TN; Raleigh, NC; Charleston SC.

FIGURE 4

SWMU Locations  
Marine Corps Base  
Camp Lejeune



Site Data Sheet

SWMU Number: S1

Name: 1014-CONTAINER  
MARINE CORPS BASE

Type of Unit: CONTAINER STORAGE (METAL 55 - GALLON DRUMS)

Period of Operation: UNKNOWN

Physical Description and Condition:

GRASSY DRUM STORAGE AREA APPROXIMATELY 200 FEET BY 200 FEET COMPLETELY ENCLOSED BY A CHAIN LINK FENCE. SITE IS IN GOOD PHYSICAL CONDITION.

Wastes and/or Hazardous Constituents Managed:

SOLID AND LIQUID INVESTIGATION-DERIVED WASTE

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.  
NO VISIBLE EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 7-6/7, SKETCH B059, PAGE A-395.

Site Assessment Date:

Corrective Action Plan Date:

Comments: NO VISIBLE EVIDENCE OF RELEASE.

Site Data Sheet

SWMU Number: S10

Name: AS-CURTIS DITCH  
MCAS

Type of Unit: OIL SKIMMER NO. 1 - SURFACE IMPOUNDMENT

Period of Operation: 1980 - PRESENT

Physical Description and Condition:

PLASTIC - 15 FT LONG; THIS UNIT IS DESIGNED TO MINIMIZE ANY SPREAD OF CONTAMINATION.

Wastes and/or Hazardous Constituents Managed:

OIL/POLLUTION CONTROL.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

INDUSTRIAL WASTEWATER PLAN/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 9-6, SKETCH B116, PAGE A-547.

Site Assessment Date:

Corrective Action Plan Date:

Comments:

NO VISIBLE EVIDENCE OF RELEASE.

Site Data Sheet

SWMU Number: S11

Name: AS-LONGSTAFF-DITCH  
MCAS

Type of Unit: OIL SKIMMER NO. 2 - SURFACE IMPOUNDMENT

Period of Operation: 1980 - PRESENT

Physical Description and Condition:

PLASTIC 15 FT LONG - THIS UNIT IS DESIGNED TO PREVENT THE SPREAD OF ANY CONTAMINANTS.

Wastes and/or Hazardous Constituents Managed:

OIL/POLLUTION CONTROL.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: INDUSTRIAL WASTEWATER PLAN/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 9-7, SKETCH B117, PAGE A-549.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO VISIBLE EVIDENCE OF RELEASE.

Site Data Sheet

SWMU Number: S116

Name: 600 GOLF COURSE MAINTENANCE SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: WASTE OIL

Period of Operation: 1980-1994

Physical Description and Condition:

TANK REMOVED ON 10/5/94. VOLATILE VAPORS WERE AT LEVELS BELOW 10 PPM DURING FIELD SCREENING. EPA METHOD 1311 TCLP DID NOT INDICATE PRESENCE OF TARGETED METALS ABOVE MDL OR QL. EPA METHOD 8021 INDICATED M,P-XYLENE AT 3.0 PPB OIL AND GREASE WAS AT 395 PPM.

Wastes and/or Hazardous Constituents Managed:

WASTE OIL; M,P-XYLENE

Release Pathways: Air [ ] Surface Water [ ] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: TANK REMOVAL REPORT BY ERC ENG (3/14/95) Site Assessment Date: Corrective Action Plan Date:

Comments: MARCH 1996 SSE RESULTS WERE ABOVE O&G LEVELS. SUBMITTED TO STATE FOR CLOSURE ON 3/22/96.

Site Data Sheet

SWMU Number: S12

Name: AS-PRIMINGTON-DITCH  
MCAS

Type of Unit: OIL SKIMMER NO. 3 - SURFACE IMPOUNDMENT

Period of Operation: 1980 - PRESENT

Physical Description and Condition:

PLASTIC 25 FT LONG - THIS UNIT IS DESIGNED TO MINIMIZE THE EXTENT OF CONTAMINATION.

Wastes and/or Hazardous Constituents Managed:

OIL/POLLUTION CONTROL.

Release Pathways:

Air  Surface Water  Soil   
 Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: INDUSTRIAL WASTEWATER PLAN/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 9-10, SKETCH B120, PAGE A-559.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO VISIBLE EVIDENCE OF RELEASE.

Site Data Sheet

SWMU Number: S13

Name: AS119-RACK  
BASE MOTOR TRANSPORT

Type of Unit: WASH RACK - SURFACE IMPOUNDMENT

Period of Operation: 1975 - PRESENT

Physical Description and Condition:

CONCRETE 6 X 6 FT; USED FOR WASHING MILITARY VEHICLES.

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, SOAP, GRIT, AND WATER.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: DON PATTON/VSI, FACILITY ASSESSMENT REPORT;  
ENSAFE; OCTOBER 1995, ROLL 8-31, SKETCH B107,  
PAGE A-525.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO VISIBLE EVIDENCE OF RELEASE.

Site Data Sheet

Page:

SWMU Number:

Name:

Type of Unit:

Period of Operation:

Physical Description and Condition:

STEEL PROCESS DISTILLATION UNIT, AN EVALUATION WAS CONDUCTED ON THE UNIT BY RUST ENVIRONMENT & INFRASTRUCTURE IN MARCH 1993, 35 GALLONS OF WATER IS DISCHARGED TO CAMP GEIGER WASTE WATER TREATMENT PLANT PER BATCH RESULTING IN ABOUT 450 GALLONS PER WEEK.

Wastes and/or Hazardous Constituents Managed:

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

Site Assessment Date:

Corrective Action Plan Date:

Comments:

**Site Data Sheet**

SWMU Number:

Name:

Type of Unit:

Period of Operation:

**Physical Description and Condition:**

**Wastes and/or Hazardous Constituents Managed:**

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:       Site Assessment Date:

Corrective Action Plan Date:

Comments:

*Site Data Sheet*

SWMU Number:

Name:

Type of Unit:

Period of Operation:

**Physical Description and Condition:**

**Wastes and/or Hazardous Constituents Managed:**

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:**

Site Assessment Date:

Corrective Action Plan Date:

**Comments:**

Site Data Sheet

SWMU Number: S17

Name: AS5020-DITCH
MCAS DRAINAGE DITCH

Type of Unit: OIL SKIMMER NO. 4 - SURFACE IMPOUNDMENT

Period of Operation: 1980 - PRESENT

Physical Description and Condition:

PLASTIC - 15 FT LONG; THIS UNIT IS DESIGNED TO PREVENT THE SPREAD OF CONTAMINANTS TO SOIL OR GROUNDWATER.

Wastes and/or Hazardous Constituents Managed:

OIL/POLLUTION CONTROL.

Release Pathways:

Air [ ] Surface Water [x] Soil [x]
Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: INDUSTRIAL WASTEWATER PLAN/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 9-12, SKETCH B122, PAGE A-561.

Site Assessment Date:

Corrective Action Plan Date:

Comments: NO EVIDENCE OF RELEASE.

**Site Data Sheet**

SWMU Number: S18

Name: AS605-UST  
MCAS

Type of Unit: USED PESTICIDE UST - TANK

Period of Operation: ACTIVE

**Physical Description and Condition:**

STEEL, 250 GALLONS.

**Wastes and/or Hazardous Constituents Managed:**

USED OIL.

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

NO KNOWN HISTORY OF RELEASE.

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: DON PATTON/VSI, FACILITY ASSESSMENT REPORT;  
ENSAFE; OCTOBER 1995, ROLL 9-1, SKETCH B113, PAGE  
A-539.

Site Assessment Date:

Corrective Action Plan Date:

Comments: NO VISIBLE EVIDENCE OF RELEASE.

Site Data Sheet

SWMU Number: S2

Name: 1700-POND-A  
BASE MAINTENANCE

Type of Unit: COAL WATER SETTLING POND - SURFACE IMPOUNDMENT

Period of Operation: 1985 - PRESENT

Physical Description and Condition:

REINFORCED CONCRETE 80 X 40 X 10 FEET; THE POND CAPTURES RUNOFF FROM THE COAL STORAGE AREA.

Wastes and/or Hazardous Constituents Managed:

COAL, WATER (SOURCE: STEAM PLANT); PH, POLYNUCLEAR AROMATICS, SULFUR BEARING COMPOUNDS, AND HEAVY METALS MAY BE PRESENT.

Release Pathways:

Air  Surface Water  Soil   
 Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE HISTORY.  
NO EVIDENCE OF RELEASE

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: JIM WALDROP/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER, 1995; ROLL 4-6, SKETCH A67, PAGE A-221.

Site Assessment Date:

Corrective Action Plan Date:

Comments: NO RELEASE HISTORY.

Site Data Sheet

SWMU Number: S20

Name: BACKWASH POND FOR BLDG... 670 WTP

Type of Unit: BACKWASH SETTLING POND

Period of Operation: PRESENT

Physical Description and Condition:

BERMED POND, APPROXIMATELY 1/2 ACRE. USED FOR SETTLING OF FILTER BACKWASH. CONTAINS SETTLED LIME. POND IS LINED WITH SYNTHETIC LINER. DISCHARGE IS PUMPED TO THE WASTE WATER TREATMENT PLANT (WWTP).

Wastes and/or Hazardous Constituents Managed:

SPENT LIME FROM WTP (WATER TREATMENT PLANT) BACKWASH.

Release Pathways:

Air [ ] Surface Water [x] Soil [x]
Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO KNOWN HISTORY NOR EVIDENCE OF RELEASE

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References:

N.U.S... INC, CHARACTERIZATION OF CAMP LEJEUNE SLUDGES, SEPTEMBER 1993.

Site Assessment Date:

Corrective Action Plan Date:

Comments:

CAMP LEJEUNE HAS A PERMIT FOR LAND APPLICATION OF LIME AT AGRONOMIC RATES. PREVIOUS TCLP TEST IDENTIFIED NO HAZARDOUS WASTE.

Site Data Sheet

SWMU Number: S207

Name: DRMO YARD  
NEAR BLDG. 861

Type of Unit: LAND UNIT

Period of Operation: UNKNOWN

Physical Description and Condition:

THE AREA IS AN ASPHALT PAVED AREA, USED PARTS, APPLIANCES, VEHICLES, AND MATERIALS ARE STORED FOR RESALE.

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE, AND MATERIALS

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OF RELEASES AND NO EVIDENCE OF RELEASE

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESEMENT REPORT; ENSAFE  
OCTOBER 1995  
Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: SITE IS WITHIN RI/FS FOR IR SITE 35

Site Data Sheet

SWMU Number: S209

Name: SA22-PILE  
NEAR BLDG.. SA 22

Type of Unit: SOIL PILE - WASTE PILE

Period of Operation: ACTIVE

Physical Description and Condition:

25 X 30 FEET CONCRETE ABOUT 4 FEET HIGH. TEMPORARY STORAGE AREA FOR SOIL.

Wastes and/or Hazardous Constituents Managed:

OIL-CONTAMINATED SOIL.

Release Pathways:

Air  Surface Water  Soil

Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OR EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 6-22, SKETCH B040, PAGE A-345

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO VISIBLE EVIDENCE OF RELEASE. THE SOIL PILE WAS A TEMPORARY STOCKPILE FROM TANK REMOVAL SITE. SOIL WAS SAMPLED AND DID NOT CONTAIN PETROLEUM ABOVE ACTION LEVEL. SOIL DISPOSED IN ACCORDANCE WITH REGULATIONS AND TANK REMOVED.



Site Data Sheet

SWMU Number: S22

Name: BACKWASH BASINS FOR HADNOT POINT WTP

Type of Unit: BACKWASH SETTLING BASIN

Period of Operation: PRESENT

Physical Description and Condition:

TWO CONCRETE BASINS. DISCHARGE IS PUMPED TO HADNOT POINT WASTEWATER TREATMENT PLANT (WWTP).

Wastes and/or Hazardous Constituents Managed:

SPENT LIME FROM WTP (WATER TREATMENT PLANT) BACKWASH.

Release Pathways:

Air [ ] Surface Water [x] Soil [x]
Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

THE LIME HAS BEEN SAMPLED IN THE PAST AND NO HAZARDOUS CONSTITUENTS HAVE BEEN IDENTIFIED. SAMPLE DATA IS CONTAINED IN THE REFERENCE.

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: N.U.S. INC, CHARACTERIZATION OF CAMP LEJEUNE SLUDGES, SEPTEMBER 1993.

Site Assessment Date:

Corrective Action Plan Date:

Comments: CAMP LEJEUNE HAS A PERMIT FOR LAND APPLICATION OF LIME AT AGRONOMIC RATES. PREVIOUS TCLP TEST IDENTIFIED NO HW.

Site Data Sheet

SWMU Number: S23

Name: BACKWASH PONDS FOR MCAS WTP

Type of Unit: BACKWASH SETTLING PONDS

Period of Operation: PRESENT

Physical Description and Condition:

BERMED POND, 100 FEET BY 300 FEET. USED FOR SETTLING WATER TREATMENT PLANT FILTER BACKWASH. DISCHARGE IS PUMPED TO CAMP GEIGER WASTE WATER TREATMENT PLANT (WWTP).

Wastes and/or Hazardous Constituents Managed:

SPENT LIME FROM WTP (WATER TREATMENT PLANT) BACKWASH.

Release Pathways:

Air  Surface Water  Soil   
 Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

THE LIME HAS BEEN SAMPLED IN THE PAST AND NO HAZARDOUS CONSTITUENTS HAVE BEEN IDENTIFIED. SAMPLE DATA IS CONTAINED IN THE REFERENCE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: N.U.S.. INC, CHARACTERIZATION OF CAMP LEJEUNE SLUDGES, SEPTEMBER 1993. Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: CAMP LEJEUNE HAS A PERMIT FOR LAND APPLICATION OF LIME AT AGRONOMIC RATES. PREVIOUS TCLP TEST IDENTIFIED NO HW.

Site Data Sheet

SWMU Number: S24

Name: BB190-BACKWASH  
MCB

Type of Unit: BACKWASH BASIN - SURFACE IMPOUNDMENT

Period of Operation: 1980 - PRESENT

Physical Description and Condition:

CONCRETE 60 X 20 FT. DISCHARGE PUMPED TO COURTHOUSE BAY WWTP (WASTE WATER TREATMENT PLANT).

Wastes and/or Hazardous Constituents Managed:

GRIT AND WATER.

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References:

INDUSTRIAL WASTEWATER PLAN/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 9-25, SKETCH B131, PAGE A-583.

Site Assessment Date:

Corrective Action Plan Date:

Comments:

NO VISIBLE EVIDENCE OF RELEASE.

Site Data Sheet

SWMU Number: S25

Name: BB9-BASIN  
MCB

Type of Unit: SPILL CONTAINMENT BASIN - SURFACE IMPOUNDMENT

Period of Operation: UNKNOWN

Physical Description and Condition:

CONCRETE WITH STEEL RAIL, 15 X 10 X 5 TO 8 FT DP

Wastes and/or Hazardous Constituents Managed:

FUEL OIL AND WATER SEPARATOR. EFFLUENT FROM MILITARY VEHICLE MAINTENANCE OPERATIONS.

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OF RELEASE.

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: STORM WATER DISCHARGE STUDY/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 5-27, SKETCH B23, PAGE A-295. Site Assessment Date:   
Corrective Action Plan Date:

Comments: NO KNOWN HISTORY OF RELEASE, GROUNDWATER MONITORING WELLS ARE NEARBY.

SWMU Number: S259

Name: 1775

Type of Unit: DUMPSTER

Period of Operation: 1960? - PRESENT

Physical Description and Condition:

6' X 6' X 7' STEEL CONTAINER WITH STEEL COVER.

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE.

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE. CAMP LEJEUNE HAS BASE INSTRUCTIONS AND CONDUCTS TRAINING AND INSPECTIONS TO PRECLUDE PLACEMENT OF HAZARDOUS WASTE IN SOLID WASTE DUMPSTERS.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 13-13, SKETCH C30. Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: SOME STAINING OF PETROLEUM, OILS, AND LUBRICANTS AT METAL BIN. HOUSEKEEPING ACTION.

**Site Data Sheet**

SWMU Number: S26

Name: INDUSTRIAL DUMPSTERS, BASEWIDE

Type of Unit: SOLID WASTE DUMPSTER

Period of Operation: ACTIVE

**Physical Description and Condition:**

GOOD CONDITION. 6' X 6' X 7' STEEL CONTAINER WITH COVER.

**Wastes and/or Hazardous Constituents Managed:**

SOLID WASTE FROM INDUSTRIAL SITES.

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

NO HISTORY OR EVIDENCE OF RELEASE.

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: MCB CAMP LEJEUNE; VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996.      Site Assessment Date:   
Corrective Action Plan Date:

Comments: VISUAL SITE INSPECTION CONDUCTED 4/96 WITH NO RELEASE IDENTIFIED FROM SITES.

SWMU Number: S263

Name: 1808

Type of Unit: DUMPSTER

Period of Operation: 1960? - PRESENT

Physical Description and Condition:

6' X 6' X 7' STEEL CONTAINER WITH STEEL COVER. COMPLETE PER VSI.

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE

Release Pathways:

Air  Surface Water  Soil 
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE. CAMP LEJEUNE HAS BASE INSTRUCTIONS AND CONDUCTS TRAINING AND INSPECTIONS TO PRECLUDE PLACEMENT OF HAZARDOUS WASTE IN SOLID WASTE DUMPSTERS.

Recommendations:

- A. No Further Action 
B. Corrective Action Currently Under the UST Program (DEM) 
C. Corrective Action Currently Under the Installation Restoration Program 
D. Confirmational Sampling or CERCLA (PA/SI)

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE, JULY 1996, ROLL 13-11, SKETCH C31.

Site Assessment Date:

Corrective Action Plan Date:

Comments: HOUSEKEEPING ACTION.

Site Data Sheet

SWMU Number: S266

Name: 2616 OFFICERS CLUB BOQ

Type of Unit: DUMPSTER

Period of Operation: 0800-1600

Physical Description and Condition:

6' X 6' X 7' STEEL CONTAINER WITH STEEL COVER. USED TO STORE GENERAL REFUSE. NO PLUG IN DRAIN AND NO RELEASES NOTED.

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE.

Release Pathways:

- Air [ ] Surface Water [ ] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE. CAMP LEJEUNE HAS BASE INSTRUCTIONS AND CONDUCTS TRAINING AND INSPECTIONS TO PRECLUDE PLACEMENT OF HAZARDOUS WASTE IN SOLID WASTE DUMPSTERS.

Recommendations:

- A. No Further Action [x] B. Corrective Action Currently Under the UST Program (DEM) [ ] C. Corrective Action Currently Under the Installation Restoration Program [ ] D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 13-17, SKETCH C34. Site Assessment Date: Corrective Action Plan Date:

Comments: LOCATED ON ASPHALT. PETROLEUM, OIL, AND LUBRICANT STAINS ADJACENT TO DUMPSTER.

**Site Data Sheet**

**SWMU Number:** S267

**Name:** 511  
2D MAR DIV - RECON BATTALION

**Type of Unit:** DUMPSTER

**Period of Operation:** 1960? - PRESENT

**Physical Description and Condition:**

TWO 8' X 8' X 8' METAL DUMPSTERS WITH OPEN TOPS. BOTH ARE USED TO STORE REFUSE FROM NEARBY RESIDENCE HALLS. NEITHER HAS PLUGS.

**Wastes and/or Hazardous Constituents Managed:**

SOLID WASTE.

**Release Pathways:**

Air       Surface Water       Soil

Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

NO HISTORY OF RELEASE. CAMP LEJEUNE HAS BASE INSTRUCTIONS AND CONDUCTS TRAINING AND INSPECTIONS TO PRECLUDE PLACEMENT OF HAZARDOUS WASTE IN SOLID WASTE DUMPSTERS.

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:** VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 13-15, SKETCH C32.

**Site Assessment Date:**

**Corrective Action Plan Date:**

**Comments:** 1 GALLON LATEX PAINT.

Site Data Sheet

SWMU Number: S27

Name: NON-INDUSTRIAL DUMPSTERS, BASEWIDE, 2885

Type of Unit: SOLID WASTE DUMPSTERS

Period of Operation: 1960 - PRESENT

Physical Description and Condition:

TYPICALLY 6' BY 6' BY 7' STEEL DUMPSTERS. DUMPSTERS INCLUDE REFUAGE, GREASE, AND OTHER MUNICIPAL SOLID WASTES. MCB CAMP LEJEUNE HAS OVER 3,000 DUMPSTERS.

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE FROM NON-INDUSTRIAL SITES.

Release Pathways:

Air [ ] Surface Water [x] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: DUMPSTER REPORT, APRIL 1996; VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996.

Site Assessment Date:

Corrective Action Plan Date:

Comments: A RECORDS REVIEW AND SPOT CHECK IDENTIFIED NO EVIDENCE OF RELEASE OF REGULATED SUBSTANCES.

Site Data Sheet

SWMU Number: S270

Name: 902  
2D FSSG

Type of Unit: DUMPSTER

Period of Operation: 1960? - PRESENT

Physical Description and Condition:

6' X 6' X 7' STEEL CONTAINER WITH STEEL COVER.

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE. CAMP LEJEUNE HAS BASE INSTRUCTIONS AND CONDUCTS TRAINING AND INSPECTIONS TO PRECLUDE PLACEMENT OF HAZARDOUS WASTE IN SOLID WASTE DUMPSTERS.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VIS, ENSAFE 1996

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: SOLID WASTE HOUSEKEEPING ACTION.

**Site Data Sheet**

**SWMU Number:** S271

**Name:** AS 410  
MWR GAS STATION

**Type of Unit:** DUMPSTER

**Period of Operation:** UNKNOWN

**Physical Description and Condition:**

6' X 8' X 6' STEEL CONTAINER WITH STEEL COVER. USED FOR GENERAL REFUSE.

**Wastes and/or Hazardous Constituents Managed:**

EMPTY ANTIFREEZE, OIL, CONTAINERS, AUTO REPAIR ON SITE.

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

NO EVIDENCE OF RELEASE. CAMP LEJEUNE HAS BASE INSTRUCTIONS AND CONDUCTS TRAINING AND INSPECTIONS TO PRECLUDE PLACEMENT OF HAZARDOUS WASTE IN SOLID WASTE DUMPSTERS.

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:** VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 11-25, SKETCH C16      **Site Assessment Date:**  

\_\_\_\_\_      **Corrective Action Plan Date:**  

**Comments:** SOLID WASTE HOUSEKEEPING ACTION.

Site Data Sheet

SWMU Number: S274

Name: BB-245 EXCHANGE

Type of Unit: DUMPSTER

Period of Operation: 1960? - PRESENT

Physical Description and Condition:

6' X 8' X 7' STEEL DUMPSTER (FOR CARDBOARD). 8' X 8' X 8' REFUSE DUMPSTER. 6' X 4' X 3' GREASE DUMPSTER.

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE/COOKING GREASE.

Release Pathways:

Air [ ] Surface Water [ ] Soil [x]
Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

EVIDENCE OF COOKING GREASE SPILL. CAMP LEJEUNE HAS BASE INSTRUCTIONS AND CONDUCTS TRAINING AND INSPECTIONS TO PRECLUDE PLACEMENT OF HAZARDOUS WASTE IN SOLID WASTE DUMPSTERS.

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 12-14, SKETCH C19.

Site Assessment Date:

Corrective Action Plan Date:

Comments: HOUSEKEEPING ACTION.

Site Data Sheet

SWMU Number: S278

Name: FC-190  
2D FSSG

Type of Unit: DUMPSTER

Period of Operation: 1960? - PRESENT

Physical Description and Condition:

6' X 6' X 7' STEEL CONTAINER WITH STEEL COVER. COMPLETE PER VSI.

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

EVIDENCE OF SPILL. CAMP LEJEUNE HAS BASE INSTRUCTIONS AND CONDUCTS TRAINING AND INSPECTIONS TO PRECLUDE PLACEMENT OF HAZARDOUS WASTE IN SOLID WASTE DUMPSTERS.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 13-9, SKETCH C36.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: ONE TIME SMALL QUANTITY PETROLEUM, OIL AND LUBRICANT DUMPING.

**Site Data Sheet**

SWMU Number:

Name:

Type of Unit:

Period of Operation:

**Physical Description and Condition:**

**Wastes and/or Hazardous Constituents Managed:**

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

Site Assessment Date:

Corrective Action Plan Date:

Comments:



**Site Data Sheet**

SWMU Number:

Name:

Type of Unit:

Period of Operation:

**Physical Description and Condition:**

**Wastes and/or Hazardous Constituents Managed:**

**Release Pathways:**

- Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

Site Assessment Date:

Corrective Action Plan Date:

Comments:

Site Data Sheet

SWMU Number: S289

Name: TT 2453  
MWR HOBBY SHOP

Type of Unit: DUMPSTER

Period of Operation: UNMANAGED

Physical Description and Condition:

6' X 6' X 7' STEEL CONTAINER WITH STEEL COVER.

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE.

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

HAZARDOUS WASTE IS NOT ALLOWED IN DUMPSTERS. NO EVIDENCE OF RELEASE INVOLVING HAZARDOUS CONSTITUENTS.

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 6-29, SKETCH B046, PAGE A-357  
Site Assessment Date:   
Corrective Action Plan Date:

Comments: SOLID WASTES OVERFLOWING WITH PUBLIC USE EVIDENT. POTENTIAL FOR PROBLEMS. SOLID WASTE HOUSEKEEPING ACTION.

Site Data Sheet

SWMU Number: S290

Name: TT 2478  
MWR GAS STATION

Type of Unit: DUMPSTER

Period of Operation: UNKNOWN

Physical Description and Condition:

6' X 6' X 7' STEEL CONTAINER WITH STEEL COVER

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN RELEASE HISTORY OR EVIDENCE OF RELEASE

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: EMD SITE VISIT

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: OLD PAINT STAINS SOME YARD WASTE. COMPACTOR HAS NO VISIBLE STAINS.

Site Data Sheet

SWMU Number: S3

Name: 236-BACKWASH  
MARINE CORPS BASE SWIMMING POOL.

Type of Unit: BACKWASH BASIN - SURFACE IMPOUNDMENT

Period of Operation: 1980 - PRESENT

Physical Description and Condition:

CONCRETE 50 X 24 X 12 FT; IN GOOD CONDITION.

Wastes and/or Hazardous Constituents Managed:

BACKWASH WATER FROM POOL FILTER; CHLORINE MAY BE PRESENT.

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OF RELEASE.  
NO EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: INDUSTRIAL WASTEWATER PLAN/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 7-3, SKETCH B56, PAGE A-389.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: BASIN DISCHARGES TO DITCH.

Site Data Sheet

SWMU Number: S30

Name: FC19-RACK  
H&S BATTALION, 2ND FSSG

Type of Unit: WASH RACK - SURFACE IMPOUNDMENT

Period of Operation: UNKNOWN

Physical Description and Condition:

CONCRETE 30 X 30 FEET

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, WATER, AND DEBRIS.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE HISTORY.

Recommendations:

A. No Further Action \_\_\_\_\_

B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_

C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_

D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: LT. CARROL AND MSGT. TOLES/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 4-8, SKETCH A68, PAGE A-225.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO HISTORY OF RELEASE.

Site Data Sheet

SWMU Number: S31

Name: GREASE TRAPS, BASEWIDE

Type of Unit: TANK

Period of Operation: ACTIVE

Physical Description and Condition:

GOOD CONDITION. 6' X 6' X 8' POURED CONCRETE WITH COVER. GREASE TRAP AT FC 420 WAS VISITED IN THE 1996 VSI. THIS GREASE TRAP IS ABOUT 15 FEET LONG BY 6 FEET WIDE AND UNKNOWN DEPTH AND HAD RECENTLY BEEN INSTALLED.

Wastes and/or Hazardous Constituents Managed:

FOOD GREASE.

Release Pathways: Air [ ] Surface Water [ ] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO KNOWN HISTORY/EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 13-22 SKETCH C47
Site Assessment Date:
Corrective Action Plan Date:

Comments: NO HAZARDOUS OR REGULATED SUBSTANCES ARE ALLOWED. GREASE IS REMOVED PERIODICALLY FROM TRAPS BY BASE PERSONNEL. THE WATER FROM THE UNIT IS DISCHARGED TO THE SANITARY SEWER.

SWMU Number: S32

Name: H36-RACK  
HQSV CO ENGR 2D MEF

Type of Unit: WASH RACK - SURFACE IMPOUNDMENT

Period of Operation: JUNE 1993 - PRESENT

Physical Description and Condition:

ASPHALT 10 X 20 FT

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, GRIT, AND WATER GENERATED DURING MILITARY VEHICLE OPERATIONS.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, SKETCH B5.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO VISIBLE EVIDENCE OF RELEASE.

Site Data Sheet

Page:

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SWMU Number:

S320

Name:

CAMP JOHNSON WASTEWATER TREATMENT PLANT

Type of Unit:

TANKS\SURFACE IMPOUNDMENTS

Period of Operation:

1941 - PRESENT

Physical Description and Condition:

FAIR CONDITION; THE FACILITY HAS THE FOLLOWING UNITS: INFLUENT PUMP STATION, GRIT CHAMBER, FOUR PRIMARY SEPARATORS (IMHOFF TANKS), TRICKLING FILTER, SECONDARY CLARIFIER, SLUDGE DRYING BEDS, AND CHLORINE CONTACT CHAMBER.

Wastes and/or Hazardous Constituents Managed:

DOMESTIC SEWAGE.

Release Pathways:

Air

Surface Water

Soil

Groundwater

Subsurface Gas

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE.

Recommendations:

A. No Further Action \_\_\_\_\_

B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_

C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_

D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 14-14, SKETCH C40.

Site Assessment Date:

\_\_\_\_\_

Corrective Action Plan Date:

\_\_\_\_\_

Comments:

WWTP'S ARE PERIODICALLY INSPECTED BY STATE PERSONNEL. THE PLANT WILL BE DEMOLISHED UPON COMPLETION OF THE NEW WWTP IN 1998.

SWMU Number:

S321

Name:

COURTHOUSE BAY WASTEWATER TREATMENT PLANT

Type of Unit:

TANKS\SURFACE IMPOUNDMENTS

Period of Operation:

1941 - PRESENT

Physical Description and Condition:

FAIR CONDITION, THE FACILITY HAS THE FOLLOWING UNITS; INFLUENT PUMP STATION, AERATED EQUALIZATION BASIN, DUAL AEROBIC DIGESTORS, DUAL PRIMARY CLARIFIERS, SLUDGE DRYING BEDS, DUAL TRICKLING FILTERS, SECONDARY CLARIFIERS, AND CHLORINE CONTACT CHAMBER.

Wastes and/or Hazardous Constituents Managed:

DOMESTIC SEWAGE.

Release Pathways:

Air

Surface Water

Soil

Groundwater

Subsurface Gas

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE.

Recommendations:

A. No Further Action \_\_\_\_\_

B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_

C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_

D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 12-8, SKETCH C18.

Site Assessment Date:

[Empty box for Site Assessment Date]

Corrective Action Plan Date:

[Empty box for Corrective Action Plan Date]

Comments:

WWTP'S ARE PERIODICALLY INSPECTED BY STATE PERSONNEL. THE PLANT WILL BE DEMOLISHED UPON COMPLETION OF THE NEW WWTP IN 1998.

Site Data Sheet

SWMU Number: S322

Name: EXISTING LANDFILL

Type of Unit:

Period of Operation: 1970 - PRESENT

Physical Description and Condition:

GOOD

Wastes and/or Hazardous Constituents Managed:

MUNICIPAL DOMESTIC SOLID WASTE.

Release Pathways:

Air

Surface Water

Soil

Groundwater

Subsurface Gas

History and/or Evidence of Release(s):

NO EVIDENCE.

Recommendations:

A. No Further Action

B. Corrective Action Currently Under the UST Program (DEM)

C. Corrective Action Currently Under the Installation Restoration Program

D. Confirmational Sampling or CERCLA (PA/SI)

References:

[Empty box for references]

Site Assessment Date:

[Empty box for site assessment date]

Corrective Action Plan Date:

[Empty box for corrective action plan date]

Comments:

LANDFILL REGULATED UNDER 15 NCAC 133, SCHEDULED TO BE CLOSED UPON COMPLETION OF NEW SUBTITLE D LINED LANDFILL IN 1997. ASSESSMENT MONITORING OF THE SITE IN ACCORDANCE WITH TRANSITION PLAN HAS BEEN INITIATED.

Site Data Sheet

SWMU Number: S323

Name: FUTURE LANDFILL

Type of Unit: SOLID WASTE LANDFILL

Period of Operation: SCHEDULED TO BE COMPLETED IN 1997

Physical Description and Condition:

THE UNIT IS 100 ACRES, WILL BE LINED AND HAVE AN EFFLUENT LAGOON.

Wastes and/or Hazardous Constituents Managed:

MUNICIPAL SOLID WASTE.

Release Pathways:

Air [ ] Surface Water [x] Soil [ ]
Groundwater [ ] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: FINAL REPORT WASTEWATER TREATMENT MASTER PLAN PHASE I, GREENHORNE & O'MARA, INC. Site Assessment Date: Corrective Action Plan Date:

Comments: NEW LANDFILL WILL BE LINED, WITH A LEACHATE COLLECTION SYSTEM AND WILL BE CONNECTED TO THE WWTP.

Site Data Sheet

SWMU Number: S324

Name: HADNOT POINT WASTEWATER TREATMENT PLANT

Type of Unit: SURFACE IMPOUNDMENTS AND TANKS

Period of Operation: 1941 - PRESENT

Physical Description and Condition:

FAIR CONDITION. DESCRIPTION CONTAINED IN APPENDIX E. INFLUENT PUMP STATION, GRIT CHAMBER AND COMMINUTORS, PRIMARY CLARIFIERS, DUAL TRICKLING FILTERS, SLUDGE DIGESTORS, SLUDGE DRYING BEDS, AND CHLORINE CONTACT CHAMBER.

Wastes and/or Hazardous Constituents Managed:

DOMESTIC SEWAGE.

Release Pathways:

Air [ ] Surface Water [x] Soil [x]
Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 15-1,6, SKETCH C48.

Site Assessment Date:

Corrective Action Plan Date:

Comments: WWTP'S ARE PERIODICALLY INSPECTED BY STATE PERSONNEL. THE PLANT WILL BE DEMOLISHED UPON COMPLETION OF THE NEW WWTP IN 1998.

Site Data Sheet

SWMU Number: S325

Name: HW FACILITY

Type of Unit: CONTAINER STORAGE

Period of Operation: 1984 - PRESENT

Physical Description and Condition:

THE FACILITY IS PERMITTED FOR THE STORAGE OF HAZARDOUS.

Wastes and/or Hazardous Constituents Managed:

HW STREAMS FROM MILITARY OPERATIONS & PROCESSES.

Release Pathways:

- Air [ ] Surface Water [ ] Soil [x]
Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

THERE HAS BEEN NO EVIDENCE OF RELEASES.

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: PART B PERMIT RENEWAL PERMIT APPLICATION DATED FEB. 1994

Site Assessment Date:

Corrective Action Plan Date:

Comments: THE FACILITY IS REGULATED UNDER THE EXISTING RCRA TSD PERMIT.

Site Data Sheet

SWMU Number: S326

Name: INCINERATOR NH-100

Type of Unit: INCINERATOR

Period of Operation: UNK - PRESENT

Physical Description and Condition:

STEEL HIGH TEMPERATURE INCINERATOR UNIT IN GOOD CONDITIONS.

Wastes and/or Hazardous Constituents Managed:

MEDICAL WASTE FROM NAVAL HOSPITAL.

Release Pathways:

Air [X] Surface Water [ ] Soil [X]
Groundwater [ ] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO HISTORY OR EVIDENCE OR RELEASE.

Recommendations:

- A. No Further Action [X]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: EMD

Site Assessment Date:

Corrective Action Plan Date:

Comments: ASH IS SAMPLED IN ACCORDANCE WITH TITLE 15, NCAC. THE INCINERATOR IS PERMITTED WITH THE STATE OF NC.

Site Data Sheet

SWMU Number: S327

Name: ONSLOW BEACH WASTEWATER TREATMENT PLANT

Type of Unit: TANKS/SURFACE IMPOUNDMENT

Period of Operation: 1941 - PRESENT

Physical Description and Condition:

FAIR CONDITION, THE PLANT HAS THE FOLLOWING UNITS; INFLUENT PUMP STATION, TWO PRIMARY SEPARATORS (IMHOFF TANKS), TRICKLING FILTER, SECONDARY CLARIFIER, SLUDGE DRYING BEDS, AND CHLORINE CONTACT CHAMBER.

Wastes and/or Hazardous Constituents Managed:

DOMESTIC SEWAGE.

Release Pathways:

- Air [ ] Surface Water [x] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action [x] B. Corrective Action Currently Under the UST Program (DEM) [ ] C. Corrective Action Currently Under the Installation Restoration Program [ ] D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 12-20, SKETCH C23.

Site Assessment Date:

Corrective Action Plan Date:

Comments: WWTP'S ARE PERIODICALLY INSPECTED BY STATE PERSONNEL. THE PLANT WILL BE DEMOLISHED UPON COMPLETION OF THE NEW WWTP IN 1998.

Site Data Sheet

SWMU Number: S328

Name: STORMWATER PONDS  
BASEWIDE

Type of Unit: PONDS/SURFACE IMPOUNDMENT

Period of Operation:

Physical Description and Condition:

THE PONDS ARE EARTHEN. THE BASE HAS 17 STORMWATER PONDS. A VSI WAS CONDUCTED BY ENSAFE ON FIVE PONDS. THE PONDS ARE DETENTION/INFILTRATION PONDS. MOST PONDS ARE IN GOOD CONDITION. CONFIRMATION SAMPLING IS RECOMMENDED FOR FC-283 AND MWR VEHICLE MAINTENANCE PONDS.

Wastes and/or Hazardous Constituents Managed:

GROUNDWATER RUNOFF AND SETTLEABLE SOLIDS.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OR EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 11-13, SKETCH C8; ROLL 11-15/16, SKETCH C9; ROLL 11-17, SKETCH C10; ROLL 11-18/19/20, SKETCH C11; ROLL 11-21, SKETCH C12.

Site Assessment Date:

Corrective Action Plan Date:

Comments:

THE STORMWATER DETERMINATION PONDS ARE REGULATED UNDER 15 A NCAC 2H.1000 & 2B, 0200, STORMWATER MANAGEMENT PROGRAM.

**Site Data Sheet**

**SWMU Number:** S329

**Name:** RIFLE RANGE WASTEWATER TREATMENT PLANT

**Type of Unit:** SOLID WASTE LANDFILL

**Period of Operation:** 1941 - PRESENT

**Physical Description and Condition:**

FAIR CONDITION, THE FACILITY CONTAINS THE FOLLOWING UNITS; INFLUENT PUMP STATION, TOW PRIMARY SEPARATORS (IMHOFF TANKS), TRICKLING FILTER, SECONDARY CLARIFIER, SLUDGE DRYING BEDS, AND CHLORINE CONTACT CHAMBER

**Wastes and/or Hazardous Constituents Managed:**

DOMESTIC SEWAGE.

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

NO EVIDENCE OF RELEASE.

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:**

VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 12-3, SKETCH C17.

Site Assessment Date:

Corrective Action Plan Date:

**Comments:**

WWTP'S ARE PERIODICALLY INSPECTED BY STATE PERSONNEL. THE PLANT WILL BE DEMOLISHED UPON COMPLETION OF THE NEW WWTP IN 1998.

Site Data Sheet

SWMU Number: S330

Name: TARAWA TERRACE WASTEWATER TREATMENT PLANT

Type of Unit: TANKS/SURFACE IMPOUNDMENTS

Period of Operation: 1941 - PRESENT

Physical Description and Condition:

FAIR CONDITION, THE FACILITY HAS THE FOLLOWING UNITS; INFLUENT PUMP STATION, GRIT CHAMBER AND COMMINUTORS, DUAL PRIMARY CLARIFIERS, TRICKLING FILTER, DUAL SECONDARY CLARIFIERS, DUAL ANAEROBIC DIGESTORS, SLUDGE DRYING BEDS, AND CHLORINE CONTACT CHAMBER.

Wastes and/or Hazardous Constituents Managed:

DOMESTIC SEWAGE.

Release Pathways: Air [ ] Surface Water [x] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 14-19, SKETCH C41. Site Assessment Date: Corrective Action Plan Date:

Comments: WWTP'S ARE PERIODICALLY INSPECTED BY STATE PERSONNEL. THE PLANT WILL BE DEMOLISHED UPON COMPLETION OF THE NEW WWTP IN 1998.

Site Data Sheet

SWMU Number: S331

Name: FC-286-6  
2D FSSG, VAT 1

Type of Unit: SAFETY-KLEEN SOLVENT VAT - TANK

Period of Operation: JANUARY 1994 - PRESENT

Physical Description and Condition:

METAL SOLVENT VAT APPROXIMATELY 3 FEET BY 2 FEET BY 2 FEET. THE VAT IS 3 FEET OFF THE GROUND ON A STAND. GOOD CONDITION.

Wastes and/or Hazardous Constituents Managed:

100% NAPHTHA. SLUDGE. FLASH POINT 150 DEGREES FAHRENHEIT. NEWER SOLVENT IN USE FOR APPROXIMATELY 2 MONTHS.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NONE

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

MS. MARIE SILENCE, SITE MANAGER; VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 13-3, SKETCH C1.

Site Assessment Date:

[Empty box]

Corrective Action Plan Date:

[Empty box]

Comments:

UNIT IS IN ENCLOSED BUILDING WITH CONCRETE FLOORS AND NO FLOOR DRAINS. NO CHANCE OF A RELEASE OUTDOORS.

Site Data Sheet

SWMU Number: S332

Name: FC-286  
2D FSSG, VAT 2

Type of Unit: SAFETY-KLEEN SOLVENT VAT - TANK

Period of Operation: SINCE BUILDING WAS CONSTRUCTED

Physical Description and Condition:

METAL SOLVENT VAT ABOUT 3 FEET BY 2 FEET BY 2 FEET, APPROXIMATELY 3 FEET OFF THE GROUND ON A STAND. GOOD CONDITION. NEW UNIT INSTALLED 2 MONTHS AGO REPLACES AN OLDER UNIT WHICH HAD BEEN IN PLACE SINCE THE BUILDING WAS CONSTRUCTED.

Wastes and/or Hazardous Constituents Managed:

100% NAPHTHA. SLUDGE. FLASH POINT 150 DEGREES FAHRENHEIT.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

SOLVENT WAS SPILLED ON THE FLOOR. "SPEEDY-DRY" ABSORBENT WAS USED TO CONTAIN SPILL.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling-or CERCLA (PA/SI) \_\_\_\_\_

References: CPL. WILEY, MS. SILENCE. VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 13-4, SKETCH C2.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: "SPEEDY-DRY" IS USED TO ABSORB ANY DRIPS OF SOLVENT ON THE FLOOR. VAT IS IN ENCLOSED BUILDING WITH CONCRETE FLOOR PROVIDING LITTLE CHANCE OF RELEASE OUTDOORS. VAT IS SERVICED BY A VENDOR AT REGULAR INTERVALS.

Site Data Sheet

SWMU Number: S333

Name: FC-280  
2D FSSG, VAT 3

Type of Unit: SAFETY-KLEEN SOLVENT VAT - TANK

Period of Operation: JANUARY 1994 - PRESENT

Physical Description and Condition:

METAL SOLVENT VAT ABOUT 3 FEET BY 4 FEET BY 2 FEET, APPROXIMATELY 3 FEET OFF THE GROUND ON A STAND. GOOD CONDITION. SOLVENT USED IN VAT CURRENTLY WAS CYCLED INTO USE TWO MONTHS AGO

Wastes and/or Hazardous Constituents Managed:

100% NAPHTHA. SLUDGE.

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

NONE

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: MS. SILENCE. VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 13-7, SKETCH C4.

Site Assessment Date:

Corrective Action Plan Date:

Comments: VAT IS IN ENCLOSED BUILDING WITH CONCRETE FLOOR PROVIDING LITTLE CHANCE OF RELEASE OUTDOORS. VAT IS SERVICED BY A VENDOR AT REGULAR INTERVALS.

Site Data Sheet

SWMU Number: S334

Name: FC-280  
2D FSSG, VAT 4

Type of Unit: SAFETY-KLEEN SOLVENT VAT - TANK

Period of Operation: JANUARY 1994 - PRESENT

Physical Description and Condition:

METAL SOLVENT VAT ABOUT 2 FEET BY 2 FEET BY 2 FEET, APPROXIMATELY 3 FEET OFF THE GROUND ON A STAND. GOOD CONDITION. SOLVENT USED IN VAT CURRENTLY WAS CYCLED INTO USE TWO MONTHS AGO

Wastes and/or Hazardous Constituents Managed:

100% NAPHTHA. SLUDGE.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NONE

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: MS. SILENCE, SGT. LEWIS. VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 13-6, SKETCH C5.

Site Assessment Date:

Corrective Action Plan Date:

Comments: NO EVIDENCE OF RELEASE. CHANCE OF ANY RELEASES TO THE OUTDOOR ENVIRONMENT IS MINIMAL. VAT IS SERVICED BY A VENDOR AT REGULAR INTERVALS.

Site Data Sheet

SWMU Number: S335

Name: FC-280  
2D FSSG, VAT 5

Type of Unit: SAFETY-KLEEN SOLVENT VAT - TANK

Period of Operation: JANUARY 1994 - PRESENT

Physical Description and Condition:

METAL SOLVENT VAT ABOUT 4 FEET BY 2 FEET BY 2 FEET, APPROXIMATELY 3 FEET OFF THE GROUND ON A STAND. GOOD CONDITION. SOLVENT USED IN VAT CURRENTLY WAS CYCLED INTO USE TWO MONTHS AGO

Wastes and/or Hazardous Constituents Managed:

100% NAPHTHA. SLUDGE.

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

NONE

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: MS. SILENCE. VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 13-5, SKETCH C6.

Site Assessment Date:

Corrective Action Plan Date:

Comments: NO EVIDENCE OF RELEASE. CHANCE OF ANY RELEASES TO THE OUTDOOR ENVIRONMENT IS MINIMAL. VAT IS SERVICED BY A VENDOR AT REGULAR INTERVALS.

Site Data Sheet

SWMU Number: S338

Name: FSC-282  
2D FSSG

Type of Unit: > 90 DAY STORAGE

Period of Operation: JANUARY 1994 - PRESENT

Physical Description and Condition:

ENCLOSED DRUMS USED TO STORE SANDBLAST GRIT. DRUMS ARE KEPT IN AN ENCLOSED, ROOFED BUILDING WHICH IS BERMED TO CONTAIN ANY RELEASES. DRUMS ARE FILLED AT THE AIR CONTROL FACILITY.

Wastes and/or Hazardous Constituents Managed:

HEAVY METALS, ALUMINUM OXIDE SANDBLAST GRIT.

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NONE

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: MS. SILENCE;  
VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 1-14, SKETCH A006, PAGE A-23.  
VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
JULY 1996, ROLL 11-4, SKETCH C3.

Site Assessment Date:

Corrective Action Plan Date:

Comments: WELL ENCLOSED AND PROTECTED FROM A RELEASE.

Site Data Sheet

SWMU Number: S35

Name: M105-RACK

Type of Unit: WASH RACK - SURFACE IMPOUNDMENT

Period of Operation: UNKNOWN

Physical Description and Condition:

CONCRETE 25 X 25 FT

Wastes and/or Hazardous Constituents Managed:

OIL AND WATER GENERATED IN MILITARY VEHICLE MAINTENANCE OPERATIONS.

Release Pathways:

Air [ ] Surface Water [x] Soil [x]
Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 9-18, SKETCH B126, PAGE A-573.

Site Assessment Date:

Corrective Action Plan Date:

Comments: NO VISIBLE EVIDENCE OF RELEASE.

Site Data Sheet

SWMU Number: S36

Name: OIL/WATER SEPARATORS, BASEWIDE

Type of Unit: OIL/WATER SEPARATOR

Period of Operation: ACTIVE

Physical Description and Condition:

GOOD CONDITION. 7' X 10' X 6' POURED CONCRETE BASINS, WITH DOWN-TURNED INLET AND OUTLET PIPES. MOST FACILITIES CONNECTED TO SANITARY SEWER.

Wastes and/or Hazardous Constituents Managed:

OILY EFFLUENT FROM WASHING AND MAINTENANCE OPERATIONS.

Release Pathways:

- Air [ ] Surface Water [x] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO HISTORY OR EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: FACILITY ASSESSMENT REPORT FO MCB CLNC, OCT 1995.

Site Assessment Date:

Corrective Action Plan Date:

Comments: A VISUAL SITE INSPECTION WAS CONDUCTED BY ENSAFE, INC. THEY FOUND NO EVIDENCE OF RELEASE AT THESE SITES.

Site Data Sheet

SWMU Number: S37

Name: PCB WAREHOUSE  
TP-464

Type of Unit: PCB TRANSFORMER STORAGE BUILDING

Period of Operation: 1984 - PRESENT

Physical Description and Condition:

60 X 120 STEEL BUILDING WITH POURED SEALED CONCRETE FLOOR WITH CURBING TO PRECLUDE RELEASE OF CONTAMINANTS.

Wastes and/or Hazardous Constituents Managed:

PCB TRANSFORMER STORAGE.

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OR EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

[Empty box for references]

Site Assessment Date:

[Empty box for site assessment date]

Corrective Action Plan Date:

[Empty box for corrective action plan date]

Comments:

NO HISTORY OR EVIDENCE OF RELEASE. THIS FACILITY IS REGULARLY INSPECTED BY BASE PERSONNEL AND STATE REGULATORY AGENTS.

Site Data Sheet

SWMU Number: S38

Name: PT33-PILE  
MCB

Type of Unit: SOIL PILE - WASTE PILE

Period of Operation: UNKNOWN

Physical Description and Condition:

CONCRETE PAD 30 X 15 FT COVERED WITH STEEL SHELTER WITH 8" CONCRETE WALLS ON THREE SIDES. SOILS ARE CONTAINED FOR SUBSEQUENT SHIPMENT AND TREATMENT.

Wastes and/or Hazardous Constituents Managed:

UNKNOWN, SOIL MAY BE CONTAMINATED WITH PETROLEUM, OILS, AND LUBRICANTS. SOIL IS DISPOSED THROUGH DRMO CONTRACTS.

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 5-36, SKETCH B31, PAGE A-323. Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: NO VISIBLE EVIDENCE OF RELEASE.

Site Data Sheet

SWMU Number: S39

Name: S1001-BASIN  
MARINE CORPS BASE

Type of Unit: SPILL CONTAINMENT BASIN - SURFACE IMPOUNDMENT

Period of Operation: ABOUT 1980

Physical Description and Condition:

CONCRETE OPEN TOP 30 X 15 FT; THIS UNIT IS DESIGNED TO COLLECT ANY SPILLS OF FUEL OR OTHER LIQUID SPILLS WHICH MAY OCCUR AT THE RAIL DEADHEAD - OLD FUEL DEPOT.

Wastes and/or Hazardous Constituents Managed:

FUELS AND WATER.

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmation Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: INDUSTRIAL WASTEWATER PLAN/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 6-33, SKETCH B50, PAGE A-371.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: A PUMPING AND TREATMENT SYSTEM IS OPERATING NEXT TO THE BASIN.

**Site Data Sheet**

SWMU Number:

Name:

Type of Unit:

Period of Operation:

**Physical Description and Condition:**

**Wastes and/or Hazardous Constituents Managed:**

**Release Pathways:**

- Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_   
B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_   
C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_   
D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:**

Site Assessment Date:

Corrective Action Plan Date:

**Comments:**

Site Data Sheet

SWMU Number: S40

Name: SANITARY SEWER, BASEWIDE

Type of Unit: DOMESTIC SEWAGE COLLECTION SYSTEM

Period of Operation: 1941 - PRESENT

Physical Description and Condition:

VARIOUS PIPES, MANHOLES, LIFT STATIONS, AND MATERIALS CARRYING DOMESTIC AND INDUSTRIAL SEWAGE.

Wastes and/or Hazardous Constituents Managed:

DOMESTIC AND INDUSTRIAL SEWAGE.

Release Pathways: Air [ ] Surface Water [x] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE OF HAZARDOUS CONSTITUENTS. UPON PERMIT RENEWAL THE INFLUENT TO EACH WWTP IS SUBJECTED TO A PRIMARY POLLUTANT SCAN. THE APAM (ANNUAL POLLUTANT ASSESSMENT MONITORING) IS CONDUCTED ANNUALLY.

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: (1) ANNUAL POLLUTANT ASSESSMENT MONITORING (APAM), (2) INDUSTRIAL WASTEWATER PRETREATMENT STUDY, 1995. Site Assessment Date: Corrective Action Plan Date:

Comments: THE SAMPLING OF EFFLUENT FROM 350 INDUSTRIAL BUILDINGS (REF 2) IN JUNE 1995 IDENTIFIED NO HAZARDOUS WASTE DISCHARGES. THE APAM (REF 1) HAS SIMILARLY IDENTIFIED NO SIGNIFICANT HAZARDOUS CONSTITUENTS IN WASTEWATER.

Site Data Sheet

Page:

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SWMU Number: S41

Name: SAS137-BASIN  
BLDG. SAS137

Type of Unit: SPILL CONTAINMENT BASIN - SURFACE IMPOUNDMENT

Period of Operation: ACTIVE

Physical Description and Condition:

5 X 10 X 8 CONCRETE; THIS UNIT SEPARATES OIL AND GAS FROM WATER GENERATED OR SPILLED DURING VEHICLE FUELING

Wastes and/or Hazardous Constituents Managed:

OILY WATER.

Release Pathways:

Air

Surface Water

Soil

Groundwater

Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OR EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: DON PATTON/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 2-24, SKETCH A42, PAGE A-131.

Site Assessment Date:

Corrective Action Plan Date:

Comments: NO VISIBLE EVIDENCE OF RELEASE. CONNECTION TO SANITARY SEWER.

Site Data Sheet

SWMU Number: S42

Name: SILVER RECOVERY UNITS, BASEWIDE

Type of Unit: 32 SILVER RECOVERY UNITS

Period of Operation: ACTIVE

Physical Description and Condition:

GOOD. UNDERSINK PETERSON SILVER RECOVERY UNITS, SINGLE OR IN SERIES.

Wastes and/or Hazardous Constituents Managed:

SILVER FROM PROCESSING FACILITIES.

Release Pathways:

Air [ ] Surface Water [x] Soil [ ]
Groundwater [ ] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: INTERNAL INSPECTION RECORDS.

Site Assessment Date:

Corrective Action Plan Date:

Comments: THE UNITS ARE BEING SAMPLED PERIODICALLY TO DETERMINE IF EFFLUENT CONTAINS SILVER IN EXCESS OF THE 5MG/L LEVEL CONTAINED IN TABLE 1 OF 40 CFR 261. UNITS DISCHARGE TO WASTEWATER TREATMENT PLANT.

Site Data Sheet

SWMU Number: S6

Name: A1-RACK  
2D AMPHIBIOUS ASSAULT BN, 2D MAR DIV

Type of Unit: WASH RACK - SURFACE IMPOUNDMENT

Period of Operation: UNKNOWN

Physical Description and Condition:  
CONCRETE 50 X 30 FT; VEHICLE WASHRACK

Wastes and/or Hazardous Constituents Managed:  
NOT IN USE.

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):  
NO EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 6-26, SKETCH B44, PAGE A-353.

Site Assessment Date:

Corrective Action Plan Date:

Comments: NO VISUAL EVIDENCE OF RELEASE.

Site Data Sheet

SWMU Number: S90

Name: SM264-RACK  
SM 264

Type of Unit: WASH RACK - SURFACE IMPOUNDMENT

Period of Operation: UNKNOWN

Physical Description and Condition:  
CONCRETE 50 X 25 FT

Wastes and/or Hazardous Constituents Managed:  
OIL AND WATER. RUNOFF FROM VEHICLE MAINTENANCE OPERATIONS.

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):  
NO KNOWN HISTORY OF RELEASE.

- Recommendations:
- A. No Further Action \_\_\_\_\_
  - B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
  - C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
  - D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 9-17, SKETCH B125, PAGE A-571. Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO VISIBLE EVIDENCE OF RELEASE.

Site Data Sheet

SWMU Number: S91

Name: ST32-PILE  
CONSTRUCTION DEBRIS SOIL PILE - TARAWA TERRACE

Type of Unit: SOIL PILE - WASTE PILE

Period of Operation: UNKNOWN

Physical Description and Condition:

SOIL PILE 200 X 50 X 4 FT; SOLID WASTE (CONSTRUCTION) AND SOIL.

Wastes and/or Hazardous Constituents Managed:

SOIL.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OF RELEASE. SOIL IS NOT KNOWN TO CONTAIN HAZARDOUS CONSTITUENTS.

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 6-28, SKETCH B045, PAGE A-355

Site Assessment Date:

Corrective Action Plan Date:

Comments: NO VISIBLE EVIDENCE OF RELEASE.

Site Data Sheet

SWMU Number: S92

Name: STC872-PILE  
DRMO

Type of Unit: SOIL PILE - WASTE PILE

Period of Operation: UNKNOWN

Physical Description and Condition:

CONCRETE 100 X 50 FT PAD WITH STEEL SHELTER OVERHEAD. USED FOR MANAGEMENT OF POL-CONTAMINATED SOILS PRIOR TO SHIPMENT FOR DISPOSAL/TREATMENT.

Wastes and/or Hazardous Constituents Managed:

POL-CONTAMINATED SOIL.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 9-15, SKETCH B123, PAGE A-567

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO VISIBLE EVIDENCE OF RELEASE, STRONG POL SMELL.

SWMU Number: S93

Name: STORMWATER COLLECTION SYSTEM BASEWIDE

Type of Unit: STORMWATER COLLECTION SYSTEM

Period of Operation: 1941 - PRESENT

Physical Description and Condition:

STORMWATER PIPES, MANHOLES, INLETS, CULVERTS (15 TO 24 INCHES IN DIAMETER).

Wastes and/or Hazardous Constituents Managed:

STORMWATER.

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

NO SPECIFIC HISTORY OR EVIDENCE OF A RELEASE OF HAZARDOUS CONSTITUENTS.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: CAMP LEJEUNE STORMWATER/NPDES PERMIT.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: APPLICATION FOR STORMWATER NPDES PERMIT SUBMITTED, PENDING.

Site Data Sheet

SWMU Number: S94

Name: TC364-BASIN  
NEAR BLDG.. TC 364

Type of Unit: OIL/WATER SEPARATOR - SURFACE IMPOUNDMENT

Period of Operation: ACTIVE SINCE ~1980

Physical Description and Condition:

CONCRETE TANK WITH STEEL RAILS

Wastes and/or Hazardous Constituents Managed:

OILY WATER - THIS OIL/WATER SEPARATOR ACCEPTS THE RUNOFF FROM THE FUEL AREA.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: JAMES BELL, ARLENE WATERS/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 6-19, SKETCH B037, PAGE A-339

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO VISIBLE EVIDENCE OR HISTORY OF RELEASE.

Site Data Sheet

SWMU Number: S95

Name: TP45-RACK  
TRUCK DRIVING SCHOOL

Type of Unit: WASH RACK - SURFACE IMPOUNDMENT

Period of Operation: UNKNOWN

Physical Description and Condition:

CONCRETE 60 X 20 FT; USED FOR WASHING VEHICLES; DRAINS FROM SURROUNDING DRAINAGE

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, GRIT, AND WATER FROM VEHICLE MAINTENANCE OPERATIONS.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 7-19, SKETCH B067, PAGE A-411

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO VISIBLE EVIDENCE OF RELEASE.

Site Data Sheet

SWMU Number: S96

Name: USED OIL TANKS, BASEWIDE

Type of Unit: USED OIL TANKS

Period of Operation: VARIOUS

Physical Description and Condition:

TYPICALLY STEEL ABOVEGROUND TANKS AND FIBERGLASS UNDERGROUND TANKS. IN MOST CASES USED OIL TANKS ARE LESS THAN 600 GALLONS.

Wastes and/or Hazardous Constituents Managed:

USED OIL FROM MAINTENANCE OPERATIONS. OIL IS TESTED PRIOR TO COLLECTION TO ENSURE THAT THEY DO NOT CONTAIN HAZARDOUS CONSTITUENTS. TRAINING INCLUDES PROCEDURES TO PREVENT CONTAMINATES OF USED OIL.

Release Pathways: Air [ ], Surface Water [ ], Soil [x], Groundwater [x], Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO KNOWN HISTORY OR EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action [x]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: EMD UST PROGRAM, Site Assessment Date: [ ], Corrective Action Plan Date: [ ]

Comments: ABOVEGROUND TANKS ARE INSPECTED AND UNDERGROUND TANKS ARE TESTED FOR LEAKS. LEAKING TANKS ARE REFERRED TO THE LUST PROGRAM FOR REMEDIATION.

Site Data Sheet

SWMU Number: NONE

Name: M-167  
EQUIPMENT ROOM (TELEPHONE EXCHANGE)

Type of Unit: UNDERGROUND STORAGE TANK, 575 GALLONS. CONTENTS: HEATING OIL

Period of Operation: UNKNOWN TO NOVEMBER 8, 1994

Physical Description and Condition:

UST WAS REMOVED BY OMEGA ENVIRONMENTAL. UPON CLOSURE SAMPLES WERE NOT TAKEN.

Wastes and/or Hazardous Constituents Managed:

HEATING OIL

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE CONFIRMED

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: SSE PERFORMED, ONLY DATA FROM THE SITE ARE FROM THE COMPOSITE SOIL TAKEN FROM THE CONTAMINATED SOIL STOCKPILE. NONREGULATED SITE; THEREFORE, NO SAMPLES WERE TAKEN. NO ACTION REQUIRED.

Site Data Sheet

Page:

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SWMU Number: NONE

Name: TC-307 GATEHOUSE

Type of Unit: UNDERGROUND STORAGE TANK, 275 GALLONS. CONTENTS: DIESEL FUEL

Period of Operation: JANUARY 1, 1953 TO NOVEMBER 17, 1994

Physical Description and Condition:

NO UST WAS FOUND AT THE TIME OF CLOSURE. GROUNDWATER SAMPLES TAKEN BY OMEGA; RESULTS WERE NONDETECT.

Wastes and/or Hazardous Constituents Managed:

DIESEL FUEL

Release Pathways:

- Air [ ] Surface Water [ ] Soil [ ] Groundwater [ ] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO RELEASE CONFIRMED

Recommendations:

- A. No Further Action [ ] B. Corrective Action Currently Under the UST Program (DEM) [X] C. Corrective Action Currently Under the Installation Restoration Program [ ] D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: UST CLOSURE REPORT

Site Assessment Date:

Corrective Action Plan Date:

Comments: GROUNDWATER CLEAN/NO ACTION REQUIRED.

**Site Data Sheet**

SWMU Number: NONE

Name: TC-755  
TELEPHONE EXCHANGE

Type of Unit: UNDERGROUND STORAGE TANK, 530 GALLONS. CONTENTS: DIESEL

Period of Operation: 7 TO 11/12/1994

**Physical Description and Condition:**

GROUNDWATER SAMPLE TAKEN AT THE TIME OF UST CLOSURE WAS NONDETECT FOR ALL PARAMETERS.

**Wastes and/or Hazardous Constituents Managed:**

DIESEL

**Release Pathways:**

- Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

NO RELEASE CONFIRMED

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT

Site Assessment Date:

Corrective Action Plan Date:

Comments: NO ACTION REQUIRED

Site Data Sheet

SWMU Number: S100

Name: 1310-1  
MOTOR TRANSPORT

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: USED OIL

Period of Operation: 1942-1989

Physical Description and Condition:

NO PETROLEUM CONTAMINATION FOUND IN THE SITE CHECK.

Wastes and/or Hazardous Constituents Managed:

USED OIL

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE CONFIRMED

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: SUBMIT FOR CLOSURE

Site Data Sheet

SWMU Number: S101

Name: 1401  
OLD BAKERY

Type of Unit: UNDERGROUND STORAGE TANK, 3,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1942-1992

Physical Description and Condition:

SAMPLE AT TANK CLOSURE HAD 68.8 PPM OF TPH DIESEL.

Wastes and/or Hazardous Constituents Managed:

DIESEL; TPH

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: CLOSURE REPORT AND SSE

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: SSE DONE (REQUEST CLOSURE)

Site Data Sheet

SWMU Number: S102

Name: 1450-1,2,3,4,5,6,7  
MAINTENANCE SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 6,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1981-1994

Physical Description and Condition:

1020 TPH DIESEL AT TANK EXCAVATION. TANK 5,6, AND 7 ARE USED OIL TANKS WITH 18660 PPM OIL AND GREASE.

Wastes and/or Hazardous Constituents Managed:

DIESEL; TPH

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

[Empty box for references]

Site Assessment Date:

[Empty box for site assessment date]

Corrective Action Plan Date:

[Empty box for corrective action plan date]

Comments:

SITE ASSESSMENT FUNDED

Site Data Sheet

SWMU Number: S103

Name: 1502-1  
MOTOR TRANSPORT SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: USED OIL

Period of Operation: 1942-1989

Physical Description and Condition:

THE SITE CHECK IDENTIFIED 490 PPM FOR METHOD 9071 WHILE CALCULATING AN SSE SCORE OF 1650 PPM.

Wastes and/or Hazardous Constituents Managed:

USED OIL

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: REQUEST CLOSURE (FSC)



Site Data Sheet

SWMU Number: S105

Name: 1613-1-4  
MWR GAS STATION

Type of Unit: UNDERGROUND STORAGE TANK, 10,000 GALLONS. CONTENTS: GASOLINE

Period of Operation: 1960-1994

Physical Description and Condition:

FREE PRODUCT, SOIL AND GROUNDWATER DISSOLVED PETROCHEMICAL CONTAMINATION ARE PRESENT AND HAVE BEEN DELINEATED.  
FREE PRODUCT RECOVERY IS NOW BEING DONE.

Wastes and/or Hazardous Constituents Managed:

GASOLINE

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE ASSESSMENT  
Site Assessment Date: 5/17/96  
Corrective Action Plan Date:

Comments: NEEDS FURTHER DELINEATION.

Site Data Sheet

SWMU Number: S106

Name: 1736 HEATING PLANT

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: USED OIL

Period of Operation: 1980-1989

Physical Description and Condition:

TANK REMOVAL REPORT FOUND 300 PPM OIL AND GREASE. THE CALCULATED SSE LEVEL WAS 1400 PPM.

Wastes and/or Hazardous Constituents Managed:

USED OIL

Release Pathways:

- Air [ ] Surface Water [ ] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action [ ] B. Corrective Action Currently Under the UST Program (DEM) [x] C. Corrective Action Currently Under the Installation Restoration Program [ ] D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: INITIAL SA REPORT (OCTOBER 93) Site Assessment Date: Corrective Action Plan Date:

Comments: REQUEST CLOSURE (SENT W/ SSE)

Site Data Sheet

SWMU Number: S107

Name: 1775-2,-3  
MILITARY MAINTENANCE FACILITY

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: USED OIL

Period of Operation: 197?-1994

Physical Description and Condition:

TANKS WERE REMOVED BY BARNES ELECTRIC ON JULY 11, 1994. SOIL TEST RESULTS SHOWED 300 PPM. SSE REVEALED THAT ALL CONTAMINATION LEVELS WERE EITHER BELOW REGULATORY LIMITS OR BELOW THE MINIMUM CLEAN-UP LEVEL. NO FURTHER ACTION IS WARRANTED.

Wastes and/or Hazardous Constituents Managed:

USED OIL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT (JULY 95) Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: SUBMITTED FOR CLOSURE WITH SSE

SWMU Number: S108

Name: 1804/S-1856-1 TO -6  
2D MARINE DIV CBT ENG BN LUBE RACK

Type of Unit: UNDERGROUND STORAGE TANK, 600 GALLONS. CONTENTS: WASTE OIL

Period of Operation: 1983-1989

Physical Description and Condition:

3/25/94 SITE CHECK REQUEST FORM SENT.  
SIX 600-GAL STEEL TANKS REMOVED BY ONSLOW ENV CONTRACTORS. EXCELLENT CONDITION.  
GROUNDWATER ENCOUNTERED 4-6 FT BGS.  
4/10/94 TANK CLOSURE REPORT: SOIL- OIL/GREASE 300-1900 PPM, VOCS >250 PPM  
WATER- VOCS AND METALS WERE HIGH (BUT CROSS-CONTAMINATION POSSIBLE)

Wastes and/or Hazardous Constituents Managed:

WASTE OIL; VOCS

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: 4/10/94 UST CLOSURE REPORT &  
SITE CHECK (OCT 95)

Site Assessment Date:

Corrective Action Plan Date:

Comments: SA NEEDED (NOT DERA FUNDED FOR '97 YET)  
SCOPED MAR 1996

SWMU Number: S109

Name: 1815/S-181  
PUMP ISLAND

Type of Unit: UNDERGROUND STORAGE TANK, 10,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1952-1989

Physical Description and Condition:

TANK REMOVAL REPORT INDICATED A SAMPLE AT 45 PPM GASOLINE. THE SSE CALCULATED A VALUE OF 120 PPM.

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

Site Assessment Date:

Corrective Action Plan Date:

Comments: REQUEST CLOSURE (SSE)

Site Data Sheet

SWMU Number: S110

Name: 1854-2 AND -3  
TANK/AUTO MAINTENANCE FACILITY

Type of Unit: UNDERGROUND STORAGE TANK, 30,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1983-1995

Physical Description and Condition:

TANK REMOVED ON 8/8/95 IN GOOD CONDITION WITH NO VISIBLE HOLES OR CRACKS. STRONG ODOR BUT NO VISIBLE STAINS.  
8/24/95- SITE CHECK REQUEST FORM SENT WITH SOIL SAMPLE ANALYSIS  
CLOSURE REPORT STATES SOIL: 11-1670 PPM FOR EPA METHOD 3550  
SA SOIL FOR GAS IS 96 PPM AND DIESEL 699 PPM-- MINIMAL CONTAMINATION

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: 4/8/96 CLOSURE/CHANGE-IN-SERVICE REPORT  
DRAFT CSA (APRIL 96) Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: DRAFT SA COMPLETE

Site Data Sheet

SWMU Number: S111

Name: 1880-1  
2D MARINE DIVISION ENGINEERING BATTALION MOTOR POOL

Type of Unit: UNDERGROUND STORAGE TANK, 10,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1979-1994

Physical Description and Condition:

STEEL TANK WAS FOUND (9/8/94) IN GOOD CONDITION WITH NO VISIBLE HOLES OR CRACKS. NO VISIBLE SOIL STAINS.  
EPA METHOD 3550 INDICATED 8 TO 285 PPM

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: 7/17/95 CLOSURE/CHANGE-IN-SERVICE REPORT

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: SUBMITTED FOR CLOSURE AUGUST 95  
DERA FUNDED BUT USED OUR DOLLARS

Site Data Sheet

SWMU Number: S112

Name: 1880-3  
2D MARINE DIVISION ENGINEERING BATTALION MOTOR POOL

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: USED OIL

Period of Operation: 1979-1994

Physical Description and Condition:

8/5/94- STEEL TANK REMOVED AND REPLACED WITH A 500-GALLON TANK ONE MONTH LATER  
TANK WAS FOUND IN GOOD CONDITION WITH NO VISIBLE HOLES OR CRACKS. THE SERVICE LINES  
CONNECTING TO THE TANK SHOWED CRACKS AND STRESSED JOINTS. STRONG FUMES WERE ENCOUNTERED.  
SOIL STAINS WERE VISIBLE 15 INCHES BELOW LOCATION OF SERVICE LINES.  
EPA METHOD 9071 INDICATED 9,322-17,000 PPM

Wastes and/or Hazardous Constituents Managed:

USED OIL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: 7/17/95 CLOSURE/CHANGE-IN-SERVICE REPORT

Site Assessment Date: 4/8/96

Corrective Action Plan Date:

Comments: DERA FUNDED BUT USED OUR DOLLARS  
SUBMITTED FOR CLOSURE 6/17/96

**Site Data Sheet**

**SWMU Number:**

**Name:**

**Type of Unit:**

**Period of Operation:**

**Physical Description and Condition:**

**Wastes and/or Hazardous Constituents Managed:**

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:**       **Site Assessment Date:**

**Corrective Action Plan Date:**

**Comments:**

Site Data Sheet

SWMU Number: S114

Name: 1932-2  
GOLF MAINTENANCE FACILITY

Type of Unit: UNDERGROUND STORAGE TANK, 500 GALLONS. CONTENTS: DIESEL

Period of Operation: 1945-1993

Physical Description and Condition:

THE SITE CHECK IDENTIFIED SOIL CONTAMINATION OF 440 PPM FOR DIESEL WHILE THE SSE CALCULATED A CONCENTRATION OF 480 PPM.

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK REPORT

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: REQUEST CLOSURE (FSC)

Site Data Sheet

SWMU Number: S115

Name: 45/S-941-2  
MAINTENANCE FACILITY

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: GAS

Period of Operation: 1941 TO 1990

Physical Description and Condition:

ALSO A 6000 DIESEL TANK AT THIS SITE. ATEC SITE CHECK IN AUGUST 1991 AND FOUND GW CONTAMINATION. JONES AND FRANK REMOVED THE USTS IN OCTOBER 1992 FOUND TPH CONTAMINATION UP TO 525 PPM AND FREE PRODUCT WAS SUSPECTED.

Wastes and/or Hazardous Constituents Managed:

GAS; TPH

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: CLOSURE REPORT, SITE CHECK REPORT, SITE ASSESSMENT REPORT, CORRECTIVE ACTION PLAN

Site Assessment Date: 5/4/94

Corrective Action Plan Date: 5/4/95

Comments: PILOT TEST/CAP SUBMITTED FOR THE SECOND TIME

Site Data Sheet

SWMU Number: S117

Name: 645 SUPPLY WELL

Type of Unit: UNDERGROUND STORAGE TANK, 110 GALLONS. CONTENTS: GASOLINE

Period of Operation:

Physical Description and Condition:

VADOSE AND DISSOLVED GROUNDWATER CONTAMINATION HAS BEEN DELINEATED HORIZONTALLY BUT EXTENDS BEYOND 80 FEET VERTICALLY.

Wastes and/or Hazardous Constituents Managed:

GASOLINE

Release Pathways:

- Air [ ] Surface Water [ ] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO GROUNDWATER

Recommendations:

- A. No Further Action [ ] B. Corrective Action Currently Under the UST Program (DEM) [x] C. Corrective Action Currently Under the Installation Restoration Program [ ] D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: FINAL AND ADDENDUM SITE ASSESSMENT Site Assessment Date: Corrective Action Plan Date:

Comments: ASA REPORT RECEIVED APRIL 17, 1996

Site Data Sheet

SWMU Number: S118

Name: 728-2  
GOTTSCHALK MARINA

Type of Unit: UNDERGROUND STORAGE TANK, 250 GALLONS. CONTENTS: #2 FUEL OIL

Period of Operation: 1945 TO 1989

Physical Description and Condition:

TANK INSTALLED IN 1945 AND REMOVED NOV 89. A SHEEN WAS NOTED ON THE GROUNDWATER AND SAMPLE RESULTS INDICATED SOIL TPH CONTAMINATION OF 181PPM GASOLINE, BTEX CONCENTRATIONS EXCEED MCL LIMITS IN GROUNDWATER. REMEDIATION HAS BEEN IMPLEMENTED AT THIS SITE.

Wastes and/or Hazardous Constituents Managed:

#2 FUEL OIL; BENZENE, TOLUENE, ETHYLBENZENE, XYLENE, TPH

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: SITE ASSESSMENT REPORT  
CORRECTIVE ACTION PLAN

Site Assessment Date: 4/7/92

Corrective Action Plan Date: 10/23/92

Comments: REMEDIATION SYSTEM IS CURRENTLY IN OPERATION

Site Data Sheet

SWMU Number: S119

Name: 738  
MAINTENANCE SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1985-1994

Physical Description and Condition:

THE TANK CLOSURE REPORT NOTED A CONTAMINATION CONCENTRATION OF 90.9 PPM DIESEL WHILE THE CALCULATED SSE CONCENTRATION IS 320 PPM.

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: TANK REMOVAL REPORT (AUGUST 1994)

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: REQUEST CLOSURE (SSE)

**Site Data Sheet**

SWMU Number:

Name:

Type of Unit:

Period of Operation:

**Physical Description and Condition:**

**Wastes and/or Hazardous Constituents Managed:**

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

Site Assessment Date:

Corrective Action Plan Date:

Comments:

Site Data Sheet

SWMU Number: S121

Name: 900 WAREHOUSE

Type of Unit: UNDERGROUND STORAGE TANK, 5,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1972-1994

Physical Description and Condition:

SIGNIFICANT SOIL AND GROUNDWATER CONTAMINATION WAS IDENTIFIED BY THE SITE CHECK IN THE AREA OF THE FORMER UST. THE UST WAS REMOVED BY OES ON NOVEMBER 21, 1994.

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways:

Air [ ] Surface Water [ ] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action [ ] B. Corrective Action Currently Under the UST Program (DEM) [x] C. Corrective Action Currently Under the Installation Restoration Program [ ] D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: SITE CHECK

Site Assessment Date:

Corrective Action Plan Date:

Comments: NEEDS SITE ASSESSMENT

Site Data Sheet

SWMU Number: S122

Name: 903 WAREHOUSE

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: KEROSENE

Period of Operation: 1948-1992

Physical Description and Condition:

THE SITE CHECK AND ADDITIONAL SOIL ANALYSIS DONE IN THE AREA OF THE UST EXCAVATION IDENTIFIED NO SOIL OR GROUNDWATER CONTAMINATION.

Wastes and/or Hazardous Constituents Managed:

KEROSENE

Release Pathways:

- Air [ ] Surface Water [ ] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO RELEASE CONFIRMED

Recommendations:

- A. No Further Action [ ] B. Corrective Action Currently Under the UST Program (DEM) [x] C. Corrective Action Currently Under the Installation Restoration Program [ ] D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: SITE CHECK, LABORATORY SOIL ANALYSIS

Site Assessment Date:

Corrective Action Plan Date:

Comments: SUBMITTED FOR CLOSURE

Site Data Sheet

SWMU Number: S123

Name: AS-114  
HOBBY SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: USED OIL

Period of Operation: 1954-1992

Physical Description and Condition:

SLIGHT SOIL AND GROUNDWATER CONTAMINATION IDENTIFIED BY THE SITE CHECK. ON JULY 15, 1992, ONE STEEL 550-GALLON UST WAS EXCAVATED AND REMOVED FROM THE SUBGRADE BY J&F PERSONNEL.

Wastes and/or Hazardous Constituents Managed:

USED OIL

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK MAY 1993

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: RESAMPLE WELLS

Site Data Sheet

SWMU Number: S125

Name: AS-3000  
POWER PRODUCTION

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: DIESEL FUEL

Period of Operation: 1959-1992

Physical Description and Condition:

UST REMOVED OCTOBER 29, 1992, IDENTIFIED TPH CONTAMINATION UP TO 285 PPM GAS AND 3,400 PPM DIESEL IDENTIFIED. SITE CHECK DID NOT FIND ANY SOIL CONTAMINATION. NOTHING WAS IDENTIFIED IN THE GROUND WATER EITHER. BAKER DATA COLLECTION INVESTIGATION FOUND ONLY SLIGHT DIESEL CONTAMINATION IN SOIL OF 47 PPM.

Wastes and/or Hazardous Constituents Managed:

DIESEL; TPH

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: SITE CHECK MAY 1993, DATA COLLECTION INVESTIGATION NOVEMBER, 1995  
Site Assessment Date:   
Corrective Action Plan Date:

Comments: BAKER DID ADDITIONAL HP SAMPLING AND INSTALL TEMPORARY WELLS DOWN-GRADIENT TO SATISFY THE STATE. AWAITING FINAL BAKER REPORT.

Site Data Sheet

SWMU Number: S126

Name: AS-410(N)  
GASOLINE DISPENSING STATION

Type of Unit: UNDERGROUND STORAGE TANK, 3,000 GALLONS. CONTENTS: GASOLINE

Period of Operation: 1959-1992

Physical Description and Condition:

ON JULY 28, 1992, SIX USTS WERE REMOVED FROM THIS SITE. A WATER SAMPLE CONTAINED 6,640 PPB BENZENE, 1,990 PPB ETHYLBENZENE, 12,950 PPB XYLENES, AND 7,390 PPB METHYL-TERTIARY-BUTYL ETHER. SITE CHECK IDENTIFIED NO SOIL CONTAMINATION AND 6,900 PPB BENZENE, 2,300 PPB TOLUENE, 1,100 PPB ETHYLBENZENE AND 2,500 PPB XYLENE.

Wastes and/or Hazardous Constituents Managed:

GASOLINE; BENZENE, ETHYLBENZENE, XYLENE, MTBE, TOLUENE

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE ASSESSMENT OCTOBER 1994  
 Site Assessment Date: 10/4/94  
 Corrective Action Plan Date: \_\_\_\_\_

Comments: AS/SVE; 100% RAC DESIGN WP; FSA SUBMITTED TO STATE OCTOBER 24, 1995

SWMU Number: S127

Name: AS-410(S)  
MWR SERVICE STATION

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: HEATING OIL

Period of Operation: 1959-1992

Physical Description and Condition:

THE SITE CHECK IDENTIFIED GROUNDWATER CONTAMINATION OF 11 AND 7.8 PPM BENZENE. ON JULY 30, 1992, ONE STEEL 550- GALLON HEATING OIL UST AND ONE 285 GALLON- STEEL WASTE OIL UST WERE EXCAVATED AND REMOVED FROM THE SUBGRADE BY J&F PERSONNEL. A SOIL SAMPLE COLLECTED AND SCREENED INDICATED THE PRESENCE OF AROMATIC PETROLEUM HYDROCARBONS ABOVE 1000 PPM. SOIL SAMPLE WAS NOT COLLECTED FOR ANALYSIS FROM THE WASTE OIL TANK. NCDEHNR ACTION LEVEL FOR FUEL OIL AND

Wastes and/or Hazardous Constituents Managed:

HEATING OIL; BENZENE

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK MAY 1993, ADDITIONAL SITE CHECK FEBRUARY 1994

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NEED TO RESAMPLE WELLS

Site Data Sheet

Page:

103

SWMU Number: S128

Name: AS-4151  
STEAM PLANT

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: #2 FUEL OIL

Period of Operation: 1961-

Physical Description and Condition:

SOIL AND GROUNDWATER CONTAMINATION IDENTIFIED ABOVE ACTION LEVELS. FREE PRODUCT WAS ALSO IN ONE OF THE WELLS.

Wastes and/or Hazardous Constituents Managed:

#2 FUEL OIL

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

SITE CHECK REPORT  
SITE ASSESSMENT, CORRECTIVE ACTION PLAN

Site Assessment Date:

6/1/94

Corrective Action Plan Date:

7/29/94

Comments:

CONSTRUCTION UNDERWAY

Site Data Sheet

SWMU Number: S129

Name: AS-4158-1, -2, -3  
MAINTENANCE FUEL SUPPLY

Type of Unit: UNDERGROUND STORAGE TANKS, 3,000 AND 1,000 GALLONS. CONTENTS: GAS/DIES

Period of Operation: 1971-1992

Physical Description and Condition:

THREE 3000-GALLON TANKS REMOVED IN AUGUST 92, WITH SUSPECTED FREE PRODUCT CONTAMINATION, SO SAMPLES WERE TAKEN. SITE CHECK IN MARCH 1993, IDENTIFIED TPH CONTAMINATION OF 99 PPM. TOTAL BTEX FOUND DURING THE SITE CHECK UP TO 350 PPM. SITE ASSESSMENT FOUND SOIL CONTAMINATION OF 180 PPM GASOLINE AND 3400 PPM DIESEL, FREE PRODUCT, AND GROUNDWATER CONTAMINATION CONSISTING OF 1700 PPB BENZENE, 130 PPB ETHYLBENZENE.

Wastes and/or Hazardous Constituents Managed:

GAS/DIESEL; BENZENE, ETHYLBENZENE, TOLUENE, XYLENE

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE ASSESSMENT, CAP  
Site Assessment Date: 9/4/94  
Corrective Action Plan Date: \_\_\_\_\_

Comments: AWAITING WORK DESIGN DCAP.

Site Data Sheet

SWMU Number: S130

Name: AS-4159-2  
REFUELING BAY

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: USED OIL

Period of Operation: 1981-1994

Physical Description and Condition:

TANK REMOVED IN JUNE 9, 1994, BY JONES AND FRANK AND IDENTIFIED SOIL CONTAMINATION OF 541 PPM. SITE ASSESSMENT FOUND NO SOIL CONTAMINATION AND MINIMAL GROUNDWATER CONTAMINATION.

Wastes and/or Hazardous Constituents Managed:

USED OIL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE ASSESSMENT AUGUST 1995  
Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: AWAITING LAW FSA

Site Data Sheet

SWMU Number: S131

Name: AS-428  
AIR TRAFFIC CONTROL GENERATOR BUILDING

Type of Unit: UNDERGROUND STORAGE TANK, 280 GALLONS. CONTENTS: DIESEL

Period of Operation: 1985-1994

Physical Description and Condition:

UST REMOVED BY JONES AND FRANK JULY 7, 1994. RE WRIGHT THREE WELL SITE CHECK. SOIL CONTAMINATION WAS IDENTIFIED IN BOTH THE CLOSURE AND THE SITE CHECK. SITE ASSESSMENT IDENTIFIED FREE PRODUCT AND SO RECOVERY BY PASSIVE SKIMMER WAS INITIATED. MINIMAL SOIL AND GROUNDWATER CONTAMINATION WAS FOUND.

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK, SITE ASSESSMENT, STRATEGY LETTER  
Site Assessment Date: 5/31/96  
Corrective Action Plan Date: \_\_\_\_\_

Comments: FURTHER PILOT TESTING AND CAP DESIGN

Site Data Sheet

SWMU Number: S132

Name: AS-511-3  
RAPID REFUELER

Type of Unit: UNDERGROUND STORAGE TANK, 20,000 GALLONS. CONTENTS: JP-5

Period of Operation: 1969-1994

Physical Description and Condition:

SAUER REMOVED THE USTS ON MARCH 28, 1994 AND FOUND TPH CONTAMINATION UP TO 50,357PPM. 804 CUBIC YARDS OF SOIL WERE REMOVED FROM THE SITE. SOIL AND GROUNDWATER CONTAMINATION ARE PRESENT. THIS SITE WILL BE REMEDIATED WITH THE RAPID REFUELER AREA.

Wastes and/or Hazardous Constituents Managed:

JP-5; TPH

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE ASSESSMENT MAY 1995  
Site Assessment Date: 6/5/96  
Corrective Action Plan Date:

Comments: REVIEW FOR CAP AND SUBMIT

Site Data Sheet

SWMU Number: S133

Name: AS-522  
GENERATOR HOUSE

Type of Unit: UNDERGROUND STORAGE TANK, 300 GALLONS. CONTENTS: WASTE OIL

Period of Operation: 1955-

Physical Description and Condition:

UST REMOVED IN OCT 13, 92 AND DID NOT INDICATE SOIL OR GW CONTAMINATION. LAW COMPLETED ADDITIONAL SAMPLING WHICH IDENTIFIED SEVERAL CONSTITUENTS ABOVE THE MCL STANDARDS IN GW. SOIL CONTAMINATION WAS ALSO IDENTIFIED UP TO 840 PPM. FURTHER ASSESSMENT RECOMMENDED AT THIS SITE.

Wastes and/or Hazardous Constituents Managed:

WASTE OIL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE ASSESSMENT FEBRUARY 1995, STRATEGY LETTER

Site Assessment Date: 2/1/95

Corrective Action Plan Date:

Comments: STRATEGY LETTER

Site Data Sheet

Page:

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SWMU Number: S134

Name: AS-804  
PHOTO BUILDING

Type of Unit: UNDERGROUND STORAGE TANK, 2,500 GALLONS. CONTENTS: FUEL OIL

Period of Operation: 1969-1992

Physical Description and Condition:

AUGUST 25, 1992 BY JONES & FRANK. THREE WELL SITE CHECK BY GTI IDENTIFIED NOTHING. RE WRIGHT INSTALLED ONE WELL IN THE TANK PIT AND FOUND 0 PPM GASOLINE AND 270 PPM DIESEL. 2 PPB BENZENE WAS FOUND IN THE GROUNDWATER. FREE PRODUCT IDENTIFIED.

Wastes and/or Hazardous Constituents Managed:

FUEL OIL; GASOLINE, DIESEL, BENZENE

Release Pathways:

Air

Surface Water

Soil

Groundwater

Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK, ADDITIONAL WELL INVESTIGATION

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: SSE DONE, SCOPE SENT

Site Data Sheet

SWMU Number: S135

Name: AS-822  
EMERGENCY GENERATOR

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: DIESEL FUEL

Period of Operation: 1952-PRESENT

Physical Description and Condition:

UST REMOVED AUGUST 25, 1992, AND SUSPECTED FREE PRODUCT WAS OBSERVED. SITE CHECK IN MARCH 1993 FOUND TPH CONTAMINATION OF 250, 100 AND 61PPM DIESEL GROUNDWATER TOTAL BTEX OF 63, 243 AND 63.7 PPB WERE FOUND. BENZENE AND ETHYLBENZENE WERE ABOVE MCL AT ALL WELLS IN THE SITE CHECK. SITE ASSESSMENT FOUND NONCOMPLIANT SOIL AND GROUNDWATER ANALYSIS AS WELL.

Wastes and/or Hazardous Constituents Managed:

DIESEL; TPH, BENZENE, ETHYLBENZENE, TOLUENE, XYLENE

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE ASSESSMENT 6/94  
Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: 9/8/95

Comments: WAITING FOR FINAL SUBMITTAL

Site Data Sheet

SWMU Number: S136

Name: AS-840  
HANGAR

Type of Unit: UNDERGROUND STORAGE TANK, 300 GALLONS. CONTENTS: USED OIL

Period of Operation: 1952-1993

Physical Description and Condition:

AT CLOSURE FREE PRODUCT SUSPECTED IN UST CLOSURE REPORT. SITE CHECK DID NOT FIND SOIL OR GW CONTAMINATION. ON JULY 23, 1996, PEELE PUMP & TANK CO. REMOVED A 250-GALLON TANK. NO SIGNS OF LEAKAGE.

Wastes and/or Hazardous Constituents Managed:

USED OIL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE CONFIRMED

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NEEDS SSE COMPLETED AND STATE SUBMITTAL

**Site Data Sheet**

SWMU Number: S137

Name: AS-843  
MCAS OPS

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1969-1992

**Physical Description and Condition:**

TANK REMOVED SEPTEMBER 1, 1992 BY JONES & FRANK. GTI THREE WELL SITE CHECK DID NOT FIND ANYTHING. ONE ADDITIONAL WELL INSTALLED IN THE TANK PIT IDENTIFIED 0 PPM GASOLINE AND 4000 PPM DIESEL AS WELL AS GROUNDWATER CONTAMINATION. PRESENCE OF FREE PRODUCT.

**Wastes and/or Hazardous Constituents Managed:**

DIESEL

**Release Pathways:**

- Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK, ADDITIONAL INVESTIGATION  
NOVEMBER 1995

Site Assessment Date:

Corrective Action Plan Date:

Comments: NEEDS CAP

Site Data Sheet

SWMU Number: S138

Name: AS-849 STORAGE

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: DIESEL

Period of Operation: 1959-1990

Physical Description and Condition:

AUGUST 24, 1992. GTI 3 WELL SITE CHECK. RE WRIGHT INSTALLED A WELL IN THE TANK PIT AND DID FIND SOIL CONTAMINATION OF 0 TPH GASOLINE AND 290 PPM DIESEL. SSE LEVEL IS 320 PPM DIESEL. ON AUGUST 24, 1992, ONE STEEL 550-GALLON UST WAS EXCAVATED AND REMOVED FROM THE SUBGRADE BY J&F PERSONNEL. PRESENCE OF FREE PRODUCT.

Wastes and/or Hazardous Constituents Managed:

DIESEL; TPH

Release Pathways: Air [ ] Surface Water [ ] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action [ ]
B. Corrective Action Currently Under the UST Program (DEM) [x]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: 3-WELL SITE CHECK (MAY 1993) 1-WELL SITE CHECK (NOVEMBER 1995) Site Assessment Date: Corrective Action Plan Date:

Comments: NEEDS TO BE SUBMITTED FOR CLOSURE.

Site Data Sheet

SWMU Number: S139

Name: AS-872  
POWER PRODUCTION

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1970-1994

Physical Description and Condition:

OMEGA ENVIRONMENTAL REMOVED THE UST ON NOVEMBER 15, 1994. TPH SOIL CONTAMINATION WAS DISCOVERED AT 7,500 AND 7,400 PPM DIESEL. SITE ASSESSMENT FOUND SOIL CONTAMINATION AT 558 PPM GASOLINE AND 697 PPM DIESEL. GROUNDWATER CONTAMINATION WAS FOUND: 15 PPB BENZENE, 1160 PHENANTHRENE, 988 NAPHTHALENE.

Wastes and/or Hazardous Constituents Managed:

DIESEL; TPH, BENZENE, NAPHTHALENE

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE ASSESSMENT APRIL 1996  
Site Assessment Date: 5/3/96  
Corrective Action Plan Date: \_\_\_\_\_

Comments: SUBMIT CAP TO STATE/ PROVIDE SA REVIEW TO STATE

Site Data Sheet

SWMU Number: S140

Name: BA-130-1/SBA-131  
2ND RECON BN AUTO SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1987-1994

Physical Description and Condition:

TANK REMOVED ON FEBRUARY 23, 1994. FID DID NOT INDICATE THE PRESENCE OF VOLATILE VAPORS ABOVE 10 PPM. DIESEL CONSTITUENTS AT 5,240 PPM. TARGETED EPA METHOD 5030 COMPOUNDS NOT DETECTED AT THIS TIME. SITE ASSESSMENT FOUND TPHS AS GAS AND KEROSENE WERE DETECTED IN SOILS IN THE VICINITY OF THE FORMER UST PIT. SITE PROBABLY CONTAMINATED BY NEARBY GAS AST. NO FREE PRODUCT FOUND DURING THE SITE ASSESSMENT.

Wastes and/or Hazardous Constituents Managed:

DIESEL AND GAS; TPH

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: ERC TANK REMOVAL REPORT (APRIL 1994)  
SA WORK PLAN (FEBRUARY 1995)

Site Assessment Date: 10/6/95

Corrective Action Plan Date:

Comments: FSA SENT TO STATE 10/13/95  
STRATEGY LETTER DONE, CAP DUE 3/11/96  
CAP ON HOLD PENDING NOTIFICATION BY LANTDIV REGARDING NATURAL ATTENUATION STUDY.

Site Data Sheet

SWMU Number: S141

Name: BB-177  
MWR FUEL STATION

Type of Unit: UNDERGROUND STORAGE TANK, 6,000 GALLONS. CONTENTS: UNLEADED GAS & OIL

Period of Operation: 1966-1993

Physical Description and Condition:

UST TANKS 1 TO 3 REMOVED IN FEBRUARY 25, 1993.  
DISSOLVED-PHASE HYDROCARBON CONCENTRATIONS WERE DETECTED IN ALL THE GROUNDWATER SAMPLES COLLECTED.  
BENZENE, ETHYLBENZENE, TOLUENE AND XYLENES EXCEEDED GROUNDWATER STANDARDS.

Wastes and/or Hazardous Constituents Managed:

GAS; BENZENE, ETHYLBENZENE, TOLUENE, XYLENE

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: THREE-WELL SITE CHECK (OCTOBER 14, 1996)

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NEEDS SA, PACKAGE BEING PREPARED BY LANTDIV (APRIL 1996)  
CATLIN STARTS SA JUNE 6, 1996

Site Data Sheet

SWMU Number: S142

Name: BB-177-6  
MWR FUEL STATION

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: WASTE OIL

Period of Operation: 1977-1993

Physical Description and Condition:

THIS TANK WAS REMOVED WITH FOUR OTHER TANKS (THREE OF WHICH WERE BB-177-1 TO -3) ON FEBRUARY 25, 1993. BB-177-6 IS NOW A NEW AST FOR WASTE OIL (VISIT ON MAY 15, 1996); BB-177-5 IS ALSO A NEW AST FOR WASTE OIL. FREE PRODUCT WAS OBSERVED AT THIS TIME. OIL AND GREASE WERE ABOVE SOIL ACTION LEVEL. LEAD WAS FOUND IN TCLP ANALYSIS AT 0.607-13.0 PPM.

Wastes and/or Hazardous Constituents Managed:

WASTE OIL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: TANK REMOVAL REPORT (AUGUST 18, 1993) Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: NEEDS SA/UTILITY CLEARANCE DONE, WELLS BEING DRILLED AS OF MAY 10, 1996

Site Data Sheet

SWMU Number: S143

Name: BB-190-1  
WASTE WATER TREATMENT PLANT

Type of Unit: UNDERGROUND STORAGE TANK, 500 GALLONS. CONTENTS: DIESEL

Period of Operation: 1969-1994

Physical Description and Condition:

UST WAS ABANDONED IN-SITU. CONCRETE SLURRY PUMPED INTO SUBJECT.  
FID INDICATED AROMATIC TPHS AT LEVELS BETWEEN 30-300 PPM. SOIL SAMPLES INDICATE DIESEL (436 PPM) AND GAS (221 PPM).  
SOIL SAMPLED AT CLOSURE INDICATED NONCOMPLIANT LEVELS OF GASOLINE AND DIESEL TOTAL PETROLEUM HYDROCARBONS.

Wastes and/or Hazardous Constituents Managed:

DIESEL; TPH, BENZENE, ETHYLBENZENE, XYLENES, NAPHTHALENE

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: TANK REMOVAL REPORT (JULY 11, 1994)  
STRATEGY LETTER (SEPTEMBER 10, 1995)

Site Assessment Date: 10/6/95

Corrective Action Plan Date:

Comments: FSA SENT TO STATE OCTOBER 19, 1995  
CAP BEING DEVELOPED

Site Data Sheet

SWMU Number: S144

Name: BB-52/SBB-70-1  
USMC ENGINEERING INSTRUCTION BLDG.

Type of Unit: UNDERGROUND STORAGE TANK, 5,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1953-1990

Physical Description and Condition:

5,000-GALLON (DIESEL) AND 1,000-GALLON (GAS) USTS WERE REMOVED (2/25/93) BY JONES & FRANK ENV AND REG CONSULTANTS, INC  
FID INDICATED PRESENCE OF AROMATIC TPHS.  
EPA METHOD 5030 AND 3550 INDICATED PETROLEUM HYDROCARBONS ABOVE ACTION LEVELS FOR GAS AND DIESEL.

Wastes and/or Hazardous Constituents Managed:

DIESEL AND GAS

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: TANK REMOVAL REPORT (SEPTEMBER 18, 1993)

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: SSE DONE (REQUEST CLOSURE)

Site Data Sheet

SWMU Number: S145

Name: BB-71  
AUTO HOBBY SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 500 GALLONS. CONTENTS: USED OIL

Period of Operation: 1954-1992

Physical Description and Condition:

TANK REMOVED DECEMBER 1992 BY PEELE'S PUMP & TANK. 72 TONS OF SOIL REMOVED. 1,696 PPM OIL AND GREASE FOUND AT CLOSURE. GTI THREE WELL SITE CHECK DID NOT FIND ANYTHING. R.E.. WRIGHT INSTALLED ONE WELL IN THE TANK PIT AND FOUND 29,000 PPM OIL AND GREASE/SOIL AND 3.36 PPB BENZENE IN THE GROUNDWATER. SOIL SAMPLES FOR OIL AND GREASE WERE ABOVE STANDARDS.

Wastes and/or Hazardous Constituents Managed:

USED OIL; BENZENE, VOC, SVOC

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or-CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT (SPRING 1993), THREE-WELL SITE CHK (SEPTEMBER 23, 1993), & ONE-WELL SITE CHECK (NOVEMBER 10, 1995)

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NEEDS A SITE CHECK (GEOPROBE SITE CHECK AND RESAMPLE THREE WELLS)

Site Data Sheet

SWMU Number: S146

Name: CG-1-1  
COM/ELEC MAINTENANCE

Type of Unit: UNDERGROUND STORAGE TANK, 500 GALLONS. CONTENTS: USED OIL

Period of Operation: 1985 TO FEBRUARY, 1994

Physical Description and Condition:

TANK REMOVED FEBRUARY 4, 1995 BY JONES AND FRANK, INC 3,300 PPM OIL AND GREASE R.E... WRIGHT THREE WELL SITE CHECK AUGUST 94. ONE ADDITIONAL WELL IN THE TANK PIT WAS INSTALLED BY R.E.. WRIGHT. SOIL SAMPLES TAKEN DURING WELL INSTALLATION WERE BELOW 250 PPM. BENZENE WAS DETECTED AT 1.7 PPB IN THE GROUNDWATER. ADDENDUM SITE CHECK FOUND BENZENE AT 1.99PPB. ADDITIONAL SAMPLING RECOMMENDED

Wastes and/or Hazardous Constituents Managed:

USED OIL; BENZENE

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK REPORT

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: SUBMITTED TO STATE FOR SAMPLING APPROVAL. STATE NOT REQUIRING CAP (MAY 6, 1996) SAMPLING APPROVED

Site Data Sheet

SWMU Number: S147

Name: CAMPBELL STREET FUEL FARM/AS-4151  
FUEL FARM

Type of Unit: UNDERGROUND STORAGE TANK, 120,000 GALLONS. CONTENTS: JP-5

Period of Operation: 1961 TO 1985

Physical Description and Condition:

EIGHT USTS WERE AT THIS SITE AND WERE REMOVED IN 1985. SOIL AND GROUNDWATER CONTAMINATION IDENTIFIED ABOVE ACTION LEVELS. FREE PRODUCT WAS ALSO IN ONE OF THE WELLS.

Wastes and/or Hazardous Constituents Managed:

JP-5

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: CORRECTIVE ACTION PLAN

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: 7/22/94

Comments: CONSTRUCTION IS CURRENTLY UNDER WAY

Site Data Sheet

SWMU Number: S148

Name: FC-120-2  
AUTO MAINTENANCE SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 10,000 GALLONS. CONTENTS: DIESEL/WASTE OIL

Period of Operation: 1984-1995

Physical Description and Condition:

A SECOND TANK FC-120-3 WAS A 1000-GALLON WASTE OIL TANK REMOVED SEPTEMBER, 1992. UST REMOVED IN GOOD CONDITION, NO HOLES. ORGANIC VAPOR METER WAS BDL BENEATH ISLAND, OVM (0-70 PPM) AT THE BASE OF UST, OVM (71.6 PPM) AT NORTH END OF UST. UST FC-120-2 WAS REMOVED AND BACKFILLED INN SEPTEMBER, 1995. TPH WAS 3,220-13,600 PPM.

Wastes and/or Hazardous Constituents Managed:

DIESEL AND WASTE OIL; TPH

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: TANK 120-3 REMOVAL REPORT SEPTEMBER, 1992, SITE CHECK (DECEMBER, 1992)  
FC-120-2 TANK CLOSURE REPORT (NOVEMBER 11, 1995)

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: REQUEST CLOSURE (FSC) FROM STATE ON 3/19/96  
PENDING APPROVAL

Site Data Sheet

SWMU Number: S149

Name: FC-201(E)  
2ND FSSG AUTO SHOP/LUBE RACK

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: WASTE OIL

Period of Operation: 1983-1992

Physical Description and Condition:

AN AST WAS RECENTLY INSTALLED TO REPLACE THE REMOVED UST. EXCAVATED AND REMOVED ON JULY 1, 1992. FID INDICATED AROMATIC TPHS (60-200 PPM). SOIL SAMPLES INDICATED PRESENCE OF TPHS BY EPA METHOD 9071 FOR OIL AND GREASE AT 1,800-25,000 PPM. FREE PRODUCT WAS NOT SEEN UNTIL THE CSA. SOIL SAMPLES INDICATED TPH-OIL AND GREASE ABOVE STANDARDS.

Wastes and/or Hazardous Constituents Managed:

WASTE OIL; TPH

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: TANK REMOVAL REPORT SEPTEMBER 1992  
STRATEGY LETTER (FEBRUARY 1, 1995)

Site Assessment Date: 10/10/94

Corrective Action Plan Date: 9/8/95

Comments: SA COMMENTS SENT TO LANTDIV  
RC&A TO PROVIDE CAP WITH FORM GW-100 BY MARCH 6, 1996

Site Data Sheet

SWMU Number: S150

Name: FC-241  
MAINTENANCE SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 6,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1981-1994

Physical Description and Condition:

REMOVED THREE TANKS FC-241-1 DIESEL TANK (6000 GALLON), FC-241-2 GASOLINE TANK (6000 GALLON), AND FC-241-3 KEROSENE TANK (1000 GALLON). BACKFILLED WITH CLEAN SAND AND REPLACED WITH ASTS. SOIL SAMPLES INDICATE DIESEL (42 PPM) BELOW UST 2. EXTENT OF SOIL CONTAMINATION UNKNOWN BUT APPEARS MINOR. GROUNDWATER WAS NOT ENCOUNTERED

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: TANK CLOSURE REPORT (MARCH 25, 1995)

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: SSE DONE (REQUEST CLOSURE)

Site Data Sheet

SWMU Number: S151

Name: FC-251-2, -3  
2D FSSG MAINTENANCE SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 5,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1979-1989

Physical Description and Condition:

TANKS REMOVED MARCH 10, 1994. TWO 5,000-GALLON STEEL GAS AND DIESEL USTS IN GOOD CONDITION AND ONE 2,000-GALLON WASTE OIL TANK. SOIL SAMPLE RESULTS INDICATE PRESENCE OF GAS AND DIESEL ABOVE STANDARDS. EXTENT OF SOIL CONTAMINATION UNKNOWN BUT AFTER LAB ANALYSIS; IT APPEARS THAT MOST OF THE CONTAMINATED SOIL HAS BEEN REMOVED.

Wastes and/or Hazardous Constituents Managed:

GAS AND DIESEL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT (APRIL 15, 1994)  
STRATEGY LETTER (AUGUST 10, 1995)

Site Assessment Date: 5/1/96

Corrective Action Plan Date:

Comments: LANTDIV TO PROVIDE COMMENTS ON DRAFT CSA AND STRATEGY LETTER

Site Data Sheet

SWMU Number: S152

Name: FC-263-5  
2D FSSG MAINTENANCE SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: USED OIL

Period of Operation: 1987-

Physical Description and Condition:

REMOVED TWO 6,000-GALLON GAS, TWO 6,000-GALLON DIESEL, AND ONE 1,000-GALLON WASTE OIL TANKS. OIL AND GREASE WAS IDENTIFIED NEAR UST#5 AT 23,000 PPM. THE CSA REVEALED NO OIL AND GREASE CONCENTRATIONS ABOVE ACTION LEVELS. MINUTE LEVELS OF VOC WERE DETECTED. EPA 8021 COMPOUNDS APPEAR WIDESPREAD ACROSS THE SITE AND DO NOT APPEAR TO CORRELATE TO ANY PETROLEUM PRODUCT.

Wastes and/or Hazardous Constituents Managed:

USED OIL; TPH, VOC, SVOC

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: TANK REMOVAL REPORT (AUGUST 4, 1994)  
STRATEGY LETTER (AUGUST 10, 1995)  
Site Assessment Date: 11/1/95  
Corrective Action Plan Date:

Comments: CAP ON HOLD PENDING NOTIFICATION BY LANTDIV REGARDING NATURAL ATTENUATION STUDY  
CAP DUE MARCH 11, 1996

**Site Data Sheet**

SWMU Number: S153

Name: H-19  
II MEF

Type of Unit: UNDERGROUND STORAGE TANK, 15,000 GALLONS. CONTENTS: HO & WO

Period of Operation: 1942-1993

**Physical Description and Condition:**

TANK CLOSURE REPORT IDENTIFIED OIL AND GREASE CONTAMINATION OF 1800 PPM. SITE CHECK IDENTIFIED SOIL CONTAMINATION OF 580 PPM DIESEL AND GROUNDWATER CONTAMINATION OF 1.4 PPB BENZENE.

**Wastes and/or Hazardous Constituents Managed:**

HEATING OIL AND WASTE OIL; DIESEL, BENZENE

Release Pathways:                      Air                       Surface Water                       Soil

Groundwater                       Subsurface Gas

**History and/or Evidence of Release(s):**

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK JUNE 1995                      Site Assessment Date:

Corrective Action Plan Date:

Comments: NEEDS SITE ASSESSMENT

Site Data Sheet

SWMU Number: S154

Name: H-28  
OFFICER HOUSING TANK

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: #2 HEATING OIL

Period of Operation: 1942 TO MAY 1990

Physical Description and Condition:

TANK REMOVED IN MAY 1990 BY BLIZZARD CONSTRUCTION. 18,000 PPM SOIL CONTAMINATION. ATEC SITE CHECK, FOUND GROUND WATER CONTAMINATION.

Wastes and/or Hazardous Constituents Managed:

#2 HEATING OIL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: SITE ASSESSMENT REPORT  
CORRECTIVE ACTION PLAN

Site Assessment Date: 12/18/92

Corrective Action Plan Date: 8/1/94

Comments: SOIL REMOVED AND MONITORING WELL SAMPLING WILL BE INITIATED VIA A FSC CONTRACT

Site Data Sheet

SWMU Number: S155

Name: H-30  
OLD NAVAL HOSPITAL BARRACKS

Type of Unit: UNDERGROUND STORAGE TANK, 560 GALLONS. CONTENTS: DIESEL

Period of Operation: 1942-1987

Physical Description and Condition:  
SITE ASSESSMENT IDENTIFIED SOIL CONTAMINATION OF 550 PPM GASOLINE AND 3900 PPM DIESEL AND GROUNDWATER CONTAMINATION OF 1.7 PPB BENZENE.

Wastes and/or Hazardous Constituents Managed:  
DIESEL; BENZENE

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):  
RELEASE CONFIRMED TO SOIL AND GROUNDWATER

- Recommendations:
- A. No Further Action \_\_\_\_\_
  - B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
  - C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
  - D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE ASSESSMENT JULY 1995  
Site Assessment Date: 6/10/96  
Corrective Action Plan Date:

Comments: SUBMIT SA/CAP TO STATE.

Site Data Sheet

SWMU Number: S156

Name: HADNOT POINT INDUSTRIAL AREA  
FORMER FUEL FARM

Type of Unit: UNDERGROUND STORAGE TANK, 15,000 GALLONS. CONTENTS: GASOLINE

Period of Operation: 1941-1992

Physical Description and Condition:

MASSIVE FREE PRODUCT, SOIL, AND GROUNDWATER CONTAMINATION EXIST ONSITE.  
A PUMP AND TREAT SYSTEM NOW RECOVERS FREE PRODUCT AND TREATS GROUNDWATER. AN ADDITIONAL  
SITE ASSESSMENT HAS SHOWN CONTAMINATION BEYOND THE BOUNDARIES OF THE PUMP AND TREAT  
SYSTEM.

Wastes and/or Hazardous Constituents Managed:

GASOLINE

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: CSA (JANUARY 1996)

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: WAITING FSA

Site Data Sheet

Page:

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SWMU Number: S157

Name: JP-5 PUMP AND TREAT

Type of Unit: UNDERGROUND STORAGE TANK. CONTENTS: JP-5

Period of Operation:

Physical Description and Condition:

A PUMP AND TREAT SYSTEM IS NOW RECOVERING FREE PRODUCT AND CONTAMINATED GROUNDWATER.

Wastes and/or Hazardous Constituents Managed:

JP-5

Release Pathways:

Air

Surface Water

Soil

Groundwater

Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO GROUNDWATER

Recommendations:

A. No Further Action

B. Corrective Action Currently Under the UST Program (DEM)

C. Corrective Action Currently Under the Installation Restoration Program

D. Confirmational Sampling or CERCLA (PA/SI)

References: CAP (JUNE 1991)

Site Assessment Date:

Corrective Action Plan Date:

Comments: IN OPERATION

Site Data Sheet

SWMU Number: S158

Name: LCH-4015 SERVICE STATION

Type of Unit: UNDERGROUND STORAGE TANK, 75,000 GALLONS. CONTENTS: FUEL

Period of Operation: ?

Physical Description and Condition:

SEVERAL ASTS AT THIS SITE. R.E. WRIGHT COMPLETED A FIVE WELL SITE CHECK IN FEBRUARY FOUND SOIL TPH CONTAMINATION FROM BDL TO 4611PPM. BENZENE WAS FOUND IN THE GROUNDWATER ABOVE MCL STANDARDS AT 24,700PPB TO 4.83PPB. ALL WELLS SHOWED BENZENE ABOVE THE MCL STANDARD.

Wastes and/or Hazardous Constituents Managed:

FUEL; BENZENE, TPH

Release Pathways: Air [ ] Surface Water [ ] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action [ ]
B. Corrective Action Currently Under the UST Program (DEM) [x]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: SITE ASSESSMENT REPORT Site Assessment Date: 9/1/95 Corrective Action Plan Date:

Comments: SA SUBMITTED COMMENTS SENT BACK/SL RECEIVED AND COMMENTED ON. CAP SHOULD BEGIN SOON.

**Site Data Sheet**

SWMU Number: S159

Name: LCH-4022  
FIRE STATION

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: HEATING OIL

Period of Operation: 1956 - REMOVED IN 1992

**Physical Description and Condition:**

TANK REMOVED IN JUNE 1992. SAMPLED BY ERC IN SEPTEMBER 1992 AND FOUND 599PPM TO 14900PPM DIESEL. GROUNDWATER TECH COMPLETED A THREE WELL SITE CHECK. RESULTS INDICATE 1100-4900PPM DIESEL CONTAMINATION IN SOIL AND BENZENE WAS DETECTED UP TO 110PPB AND EHTYLBENZENE UP TO 160PPB. GROUNDWATER CONTAMINATION IS ABOVE THE MCL STANDARDS.

**Wastes and/or Hazardous Constituents Managed:**

HEATING OIL; BENZENE, ETHYLBENZENE

**Release Pathways:**

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

**History and/or Evidence of Release(s):**

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE ASSESSMENT REPORT

Site Assessment Date: 1/4/95

Corrective Action Plan Date:

Comments: SA BY CATLIN COMPLETED CAP REQUIRED WAITING ON DELIVERY ORDER FROM LANTDIV FOR A PILOT TEST

Site Data Sheet

SWMU Number: S160

Name: M-101-1  
INSTRUCTION/STORAGE FACILITY

Type of Unit: UNDERGROUND STORAGE TANK, 500 GALLONS. CONTENTS: USED OIL

Period of Operation: 1966 TO 1989

Physical Description and Condition:

SITE CHECK PERFORMED BY R.E.. WRIGHT DID NOT FIND SOIL OR GROUNDWATER CONTAMINATION ASSOCIATED WITH THIS TANK. SITE WAS SUBMITTED TO THE STATE FOR CLOSURE, NO FURTHER ACTION NECESSARY. ON MARCH 11, 1993 PEELE'S PUMP & TANK CO. REMOVED ONE 500-GALLON USED OIL TANK, ONE 550-GALLON DIESEL TANK, AND ONE 550-GALLON GASOLINE TANK.

Wastes and/or Hazardous Constituents Managed:

USED OIL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE CONFIRMED

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK REPORT  
SITE SENSITIVITY EVALUATION

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: REQUEST CLOSURE (FSC, SSE) MARCH 31, 1995

Site Data Sheet

SWMU Number: S161

Name: M-230-1  
BOILER ROOM

Type of Unit: UNDERGROUND STORAGE TANK, 15,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1963 TO SEPTEMBER 1993

Physical Description and Condition:

SOIL SAMPLE RESULTS RANGED FROM 110-800 PPM DURING REMOVAL OF THE UST. SINCE THEN AN SSE WAS CONDUCTED. SOUTHERN TECHNOLOGIES CONTRACTED WITH UTTS/ENVIRONMENTAL TO REMOVE THE TWO 15,000-GALLON FUEL OIL USTS, SEPTEMBER 21, 1993.

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmation Sampling or CERCLA (PA/SI)

References: UST CLOSURE REPORT  
SITE SENSITIVITY REPORT

Site Assessment Date:

Corrective Action Plan Date:

Comments: SSE DONE (REQUEST CLOSURE) AUGUST 9, 1994

Site Data Sheet

SWMU Number: S162

Name: M-232-236  
BACHELOR QUARTERS

Type of Unit: UNDERGROUND STORAGE TANK. CONTENTS: HEATING OIL

Period of Operation: 1942 TO 1990

Physical Description and Condition:

USTS ENVIRONMENTAL REMOVED THE USTS IN 1990 AND FOUND TPH CONTAMINATION OF 120-6900 PPM.

Wastes and/or Hazardous Constituents Managed:

HEATING OIL; TPH

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT  
SITE ASSESSMENT, ADDENDUM SITE ASSESSMENT

Site Assessment Date: 1/1/92

Corrective Action Plan Date:

Comments: PAUL HUMPHREY MEASURED FOR FREE PRODUCT AND DID NOT FIND ANY. WE WILL HAVE JA JONES REMOVE SOIL AND THEN WE WILL COMPLETE A CAP.

Site Data Sheet

SWMU Number: S163

Name: M-90  
MOTOR TRANSPORT FACILITY

Type of Unit: UNDERGROUND STORAGE TANK, 250 GALLONS. CONTENTS: USED OIL

Period of Operation: 1/1/78 - REMOVED 6/30/1993

Physical Description and Condition:

ON JUNE 30, 1993 PEELE'S PUMP AND TANK CO. REMOVED ONE 250-GALLON USED OIL TANK. SITE CHECK BY R.E. WRIGHT IN MARCH 1994 FOUND TPH IN THE SOIL FROM 31 TO 73 PPM. A GROUNDWATER SAMPLE FROM ONE WELL CONTAINED BENZENE AT A CONCENTRATION OF 22.5 PPB. THE DUPLICATE SAMPLE FOR THIS WELL WAS BDL. IN JULY 1995 THE WELL WAS RESAMPLED AND IT WAS BDL FOR ALL VOC CONTAMINATION.

Wastes and/or Hazardous Constituents Managed:

USED OIL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE CONFIRMED

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT  
SITE CHECK REPORT

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: SITE SUBMITTED FOR CLOSURE

Site Data Sheet

SWMU Number: S164

Name: PT-5  
MARS STATION

Type of Unit: UNDERGROUND STORAGE TANK, 500 GALLONS. CONTENTS: DIESEL

Period of Operation: 1942-1994

Physical Description and Condition:

SITE ASSESSMENT FOUND NO SOIL CONTAMINATION. FREE PRODUCT WAS IDENTIFIED AND RECOVERY HAS BEEN INITIATED. GROUNDWATER CONTAMINATION CONSISTED OF 99.2 PPB BENZENE, 138 PPB ETHYLBENZENE, 680PPB XYLENES, 510 PPB NAPHTHALENE.

Wastes and/or Hazardous Constituents Managed:

DIESEL; BENZENE, ETHYLBENZENE, XYLENE, NAPHTHALENE

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

DRAFT SITE ASSESSMENT APRIL 1995

Site Assessment Date:

6/1/96

Corrective Action Plan Date:

Comments:

SUBMIT COPY TO STATE/PREPARE A CAP.

Site Data Sheet

SWMU Number: S165

Name: RAPID REFUELER A,B  
RAPID REFUEL AREA

Type of Unit: UNDERGROUND STORAGE TANK, 20,000 GALLONS. CONTENTS: JP-5

Period of Operation: 1971-1983

Physical Description and Condition:

FREE PRODUCT WAS FOUND. A PRODUCT RECOVERY SYSTEM HAS BEEN INSTALLED.

Wastes and/or Hazardous Constituents Managed:

JP-5

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: CSA (NOVEMBER 1994)

Site Assessment Date: 11/1/94

Corrective Action Plan Date:

Comments: WAITING CAP

**Site Data Sheet**

SWMU Number: S166

Name: RAPID REFUELER C, D  
RAPID REFUEL AREA

Type of Unit: UNDERGROUND STORAGE TANK, 20,000 GALLONS. CONTENTS: JP-5

Period of Operation: 1971-1983

**Physical Description and Condition:**

FREE PRODUCT PRESENT AND BEING RECOVERED.

**Wastes and/or Hazardous Constituents Managed:**

JP-5

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

RELEASE CONFIRMED TO SOIL

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: CSA (NOVEMBER 1994)

Site Assessment Date: 11/1/94

Corrective Action Plan Date:

Comments: COMBINED WITH A, B SITE

Site Data Sheet

SWMU Number: S167

Name: RR-72  
MCX SERVICE STATION

Type of Unit: UNDERGROUND STORAGE TANK, 4,000 GALLONS. CONTENTS: GASOLINE

Period of Operation: 1956 TO 1991, 1993

Physical Description and Condition:

THREE TANKS AT THIS SITE. ONE TANK WAS REMOVED BY R&W CONSTRUCTION IN MAY 1991; THE OTHERS WERE EMPTIED OF FUEL. TPH CONTAMINATION OF 100 PPM WAS FOUND. ATEC SITE CHECK FOUND SOME SOIL AND GROUNDWATER CONTAMINATION AND TOTAL BTEX AT 3304 PPB. THE REMAINING TANKS WERE REMOVED IN DECEMBER, 1993.

Wastes and/or Hazardous Constituents Managed:

GASOLINE; BENZENE, TOLUENE, ETHYLBENZENE, XYLENE, TPH

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT  
SITE ASSESSMENT REPORT, CORRECTIVE ACTION PLAN

Site Assessment Date: 5/1/92

Corrective Action Plan Date: 7/19/94

Comments: REMEDIATION BEING CONDUCTED BY J.A.... JONES UNDER CONTRACT 93-3033

Site Data Sheet

SWMU Number: S168

Name: S-2633  
LIFT STATION GENERATOR TANK

Type of Unit: UNDERGROUND STORAGE TANK, 150 GALLONS. CONTENTS: GASOLINE

Period of Operation: 1942-1996

Physical Description and Condition:

TANK CLOSURE REPORT IDENTIFIED CONTAMINATION OF 1367 PPM GASOLINE.

Wastes and/or Hazardous Constituents Managed:

GASOLINE

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: LAB RESULTS (FEBRUARY 1996) Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: SITE ASSESSMENT SCOPED AND FUNDED FOR FISCAL YEAR 1996

Site Data Sheet

SWMU Number: S169

Name: S-947-1,-2 (913)  
BASE MAINTENANCE WASH RACK

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: WASTE OIL

Period of Operation: 1983-1994

Physical Description and Condition:

TANK REMOVED ON SEPTEMBER 23, 1994 BY JONES AND FRANK.  
VOLATILE VAPORS WERE AT LEVELS BELOW 10 PPM DURING FIELD SCREENING.  
EPA METHOD 9071 INDICATED 363-458 PPM.  
EPA METHOD 8021 INDICATED SEVERAL TARGETED CONSTITUENTS AT LEVELS ABOVE THE MCL.

Wastes and/or Hazardous Constituents Managed:

WASTE OIL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: TANK REMOVAL REPORT BY ERC ENG (MARCH 19, 1995)

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: MAR '96 SSE RESULTS WERE ABOVE O&G LEVELS.  
SUBMITTED TO STATE FOR CLOSURE ON MARCH 22, 1996.

Site Data Sheet

SWMU Number: S170

Name: SBB-161  
USMC ENG SCHOOL LUMBER STORAGE

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: HEATING FUEL

Period of Operation: 1983-1994

Physical Description and Condition:

DECEMBER 6, 1994 UST REMOVED BY OMEGA ENVIRONMENTAL SERVICES, INC (TUCKER, GA)  
EPA METHOD 624 GROUNDWATER SAMPLES: ETHYLBENZENE (240 PPB), METHYLENE CHLORIDE (160 PPB),  
TOLUENE (180 PPB), XYLENES (2000 PPB)

Wastes and/or Hazardous Constituents Managed:

HEATING FUEL; ETHYLBENZENE, METHYLENE CHLORIDE, TOLUENE, XYLENE

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: CLOSURE REPORT (MARCH 6, 1995)

Site Assessment Date: 4/15/96

Corrective Action Plan Date:

Comments: DRAFT CSA UNDER REVIEW

Site Data Sheet

SWMU Number: S171

Name: 21  
WASTE WATER TREATMENT PLANT

Type of Unit: UNDERGROUND STORAGE TANK, 250 GALLONS. CONTENTS: GASOLINE

Period of Operation: 1942 TO 1992

Physical Description and Condition:

TANK REMOVED BY JONES AND FRANK ON DECEMBER 17, 1992 AND FOUND TPH CONTAMINATION OF 64 AND 37 PPM. ATEC SITE CHECK IDENTIFIED TPH CONTAMINATION OF 17 AND 110 PPM. BTEX CONSTITUENTS FOUND IN GROUNDWATER ABOVE MCL. BENZENE AT 140 AND 500 PPB. TOLUENE AT 9600 PPB, ETHYLBENZENE AT 1800 PPB AND XYLENE AT 10000 PPB.

Wastes and/or Hazardous Constituents Managed:

GASOLINE, BENZENE, TOLUENE, ETHYLBENZENE, XYLENE, TPH

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmation Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE ASSESSMENT REPORT  
CORRECTIVE ACTION PLAN  
Site Assessment Date: 1/8/93  
Corrective Action Plan Date: 8/1/94

Comments: CONSTRUCTION COMPLETED  
MONITORING BEING INITIATED VIA FSC CONTRACT

SWMU Number: S173

Name: 24  
BASE COMMUNICATIONS ELECTRONICS

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1942-1992

Physical Description and Condition:

SAMPLES COLLECTED AT TANK REMOVAL CONTAINED SOIL CONTAMINATION OF 402 PPM DIESEL WHILE THE SSE CALCULATED A CLEANUP LEVEL OF 480 PPM.

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

Site Assessment Date:

Corrective Action Plan Date:

Comments: SSE DONE (REQUEST CLOSURE)

SWMU Number: S174

Name: 32-1  
WASTEWATER TREATMENT PLANT

Type of Unit: UNDERGROUND STORAGE TANK, 2,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1973-1993

Physical Description and Condition:

TANK REMOVAL REPORT IDENTIFIED DIESEL RANGE CONTAMINATION OF 260 PPM AND A SSE CONCENTRATION OF 720 PPM.

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways:

Air

Surface Water

Soil

Groundwater

Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

A. No Further Action \_\_\_\_\_

B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_

C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_

D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

TANK REMOVAL REPORT (OCTOBER 1993)

Site Assessment Date:

Corrective Action Plan Date:

Comments:

SSE DONE (REQUEST CLOSURE)

**Site Data Sheet**

**SWMU Number:** S176

**Name:** 331  
MWR ADMINISTRATION OFFICE

**Type of Unit:** UNDERGROUND STORAGE TANK, 500 GALLONS. CONTENTS: HEATING OIL

**Period of Operation:** 1971-1994

**Physical Description and Condition:**

SOIL CONTAMINATION WAS DETECTED AT THE TIME OF TANK REMOVAL (JUNE 30, 94).

**Wastes and/or Hazardous Constituents Managed:**

FUEL OIL

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

RELEASE CONFIRMED TO SOIL

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:**

TANK REMOVAL REPORT (JULY 26, 1994) AND  
LAW ENGINEERING SITE ASSESSMENT REPORT (JUNE  
95)

**Site Assessment Date:**

5/28/96

**Corrective Action Plan Date:**

**Comments:**

SUBMITTED FOR CLOSURE JUNE 18, 1996

SWMU Number: S177

Name: 333-C  
2D FSSG INSPECTOR'S OFFICE

Type of Unit: UNDERGROUND STORAGE TANK, 500 GALLONS. CONTENTS: KEROSENE

Period of Operation: 1942-1991

Physical Description and Condition:

TANK REMOVED MARCH 8, 1993 BY PEELE'S PUMP AND TANK CO., COLUMBIA, SC. SOIL CONTAMINATION WAS IDENTIFIED AT THIS TIME. OIL AND GREASE WERE FOUND (847 PPM) AT THIS TIME. LEACHABLE METALS DID NOT EXCEED REGULATORY LEVEL.  
RECENT GEOPROBE WORK (MARCH 96) REVEALED PCA (80 PPB), N-BUTYL BENZENE (1.72 PPB), 1,3,5-TRIMETHYLBENZENE (0.54 PPB), AND 1,2-DIBROMO-3-CHLOROPROPANE (0.28 PPB).

Wastes and/or Hazardous Constituents Managed:

HEATING OIL; TPH, PCA, N-BUTYL BENZENE, 1,3,5-TRIMETHYLBENZENE

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST REMOVAL REPORT AND LAW ENG SITE ASSESSMENT WORKPLAN (FEBRUARY 1996)  
Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: CONDUCTING SA; WAITING ON ANALYSIS FROM LAB. SOIL FROM 333-A NEEDS REMOVAL

Site Data Sheet

SWMU Number: S178

Name: 45-1 MAINTENANCE FACILITY

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: USED OIL

Period of Operation: 1941 TO 1990

Physical Description and Condition:

TANK INSTALLED IN 1980, DEACTIVATED IN 1989, AND REMOVED FROM THE GROUND IN 1993. CLOSURE SAMPLES FOUND 4,500 PPM OIL AND GREASE. SITE CHECK COMPLETED BY R.E.. WRIGHT FOUND SOIL CONTAMINATION FROM 420 PPM TO 4,700 PPM OIL & GREASE. GROUNDWATER CONTAMINATION WAS BDL EXCEPT 5.4 PPB BENZENE AT MW-1 AND 10 PPB NAPHTHALENE AT MW-2.

Wastes and/or Hazardous Constituents Managed:

USED OIL; BENZENE, NAPHTHALENE

Release Pathways: Air [ ] Surface Water [ ] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action [ ]
B. Corrective Action Currently Under the UST Program (DEM) [x]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [ ]

References: CLOSURE REPORT, SITE CHECK REPORT. Site Assessment Date: [ ] Corrective Action Plan Date: [ ]

Comments: THE GROUNDWATER PLUME OF CONTAMINATION IS COMBINED WITH THE PLUME FROM S-941-1 AND 2, THEREFORE THE SITE WAS COMBINED WITH 45/S-941-1 AND 2

Site Data Sheet

SWMU Number: S179

Name: SLCH-4019  
OIL WATER SEPARATOR TANK AT GREASE RACK

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: USED OIL

Period of Operation: JAN 1983 TO JUNE 22, 1993

Physical Description and Condition:

TANK REMOVED BY CONTRACT 93-0286 ON JUNE 22, 1993 BY PEELE'S PUMP & TANK COMPANY. FOUND 200 AND 150 PPM FOR TPH DIESEL.

Wastes and/or Hazardous Constituents Managed:

USED OIL; TPH

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT  
SITE ASSESSMENT REPORT

Site Assessment Date: 5/1/96

Corrective Action Plan Date:

Comments: NEED TO ORDER A CAP FUNDED IN 1997  
SUBMIT FSA TO STATE

Site Data Sheet

SWMU Number: S180

Name: STT-39A  
WATER TREATMENT PLANT

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: FUEL OIL

Period of Operation: UNKNOWN TO 1992

Physical Description and Condition:

TANK REMOVED IN JUNE 1992. FOUND DIESEL AND GASOLINE SOIL CONTAMINATION AT 560 AND 135 PPM. SITE CHECK DID NOT FIND SOIL CONTAMINATION, BUT IT IDENTIFIED GROUNDWATER CONTAMINATION ONSITE OF 26 PPB BENZENE, 27 PPB TOLUENE, 44 PPB ETHYLBENZENE, AND 160 PPB XYLENES

Wastes and/or Hazardous Constituents Managed:

FUEL OIL; BENZENE, TOLUENE, ETHYLBENZENE, XYLENE

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK REPORT  
SITE ASSESSMENT REPORT

Site Assessment Date: 10/23/94

Corrective Action Plan Date:

Comments: PILOT TEST/CAP UNDERWAY WAITING OF DELIVERY ORDER FROM LANTDIV FOR A PILOT TEST

Site Data Sheet

SWMU Number: S181

Name: STT-69  
MAINTENANCE FACILITY

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: GASOLINE

Period of Operation: ? TO 1992

Physical Description and Condition:

TANK REMOVED IN JUNE 1992; TPH CONTAMINATION OF 560 PPM GASOLINE WAS IDENTIFIED. GROUNDWATER TECH SITE CHECK DETECTED 250 PPB BENZENE, 990 PPB TOLUENE, 150 PPB ETHYLBENZENE, AND 640 PPB XYLENE.

Wastes and/or Hazardous Constituents Managed:

GASOLINE; TPH, BENZENE, TOLUENE, ETHYLBENZENE, XYLENE

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK REPORT  
SITE ASSESSMENT REPORT

Site Assessment Date: 11/3/94

Corrective Action Plan Date:

Comments: PILOT TEST/CAP UNDERWAY; AWAITING DELIVERY ORDER FROM LANTDIV FOR A PILOT TEST

Site Data Sheet

SWMU Number: S182

Name: TC-1251  
WELL HOUSE

Type of Unit: UNDERGROUND STORAGE TANK, 500 GALLONS. CONTENTS: UNLEADED GAS

Period of Operation: 1977 TO 1994

Physical Description and Condition:

TANK REMOVED ON FEBRUARY 4, 1994. CLOSURE REPORT INDICATED ELEVATED LEVELS OF BENZENE, TOLUENE, ETHYLBENZENE AND XYLENE. SITE CHECK DID NOT INDICATE ANY SOIL CONTAMINATION. MW-1 DID SHOW BENZENE(240 PPB), ETHYLBENZENE(70 PPB) AND 1,2-DICHLOROETHANE(13.3 PPB) AT CONCENTRATIONS ABOVE THE MCL STANDARDS.

Wastes and/or Hazardous Constituents Managed:

UNLEADED GAS; BENZENE, TOLUENE, ETHYLBENZENE, 1,2 DICHLOROETHANE

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT  
SITE CHECK REPORT

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: PART OF IR PROGRAM OU 16, LETTER SUBMITTED TO DEHNR REQUESTING TRANSFER MAY 31, 1996



Site Data Sheet

SWMU Number: S184

Name: TC-341  
MESS HALL HEATING PLANT

Type of Unit: UNDERGROUND STORAGE TANK. CONTENTS: HEATING OIL

Period of Operation: 1941 TO ?

Physical Description and Condition:

LAW INSTALLED WELL WHICH IDENTIFIED TPH SOIL CONTAMINATION OF 8400 AND 5100 PPM. ATEC COMPLETED A SITE CHECK WHICH IDENTIFIED SOIL TPH CONTAMINATION OF 110 TO 2000 PPM. TOTAL BTEX WAS FOUND AT 34 PPB.

Wastes and/or Hazardous Constituents Managed:

HEATING OIL; TPH, BENZENE, TOLUENE, ETHYLBENZENE, XYLENE

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT, SITE CHECK  
SITE ASSESSMENT REPORT, CORRECTIVE ACTION  
PLAN

Site Assessment Date: 6/22/94

Corrective Action Plan Date: 2/29/96

Comments: FINAL CAP SUBMITTED TO DEHNR/DESIGN DRAFT WORK PLAN SUBMITTED

Site Data Sheet

SWMU Number: S185

Name: TC-774  
WASH RACK

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: USED OIL

Period of Operation: JANUARY 1, 1983 TO APRIL 20, 1993

Physical Description and Condition:

PEELE'S PUMP AND TANK REMOVED THE UST ON APRIL 20, 1993. UST CLOSURE SAMPLES INDICATED TPH SOIL CONTAMINATION OF 2,370 PPM OIL AND GREASE. R.E.. WRIGHT COMPLETED A SITE CHECK AND FOUND TPH SOIL CONTAMINATION OF 565 AND 1,212 PPM AT MW-1 AND MW-2 RESPECTIVELY. CADMIUM, CHROMIUM AND LEAD WERE DETECTED ABOVE MCL STANDARDS.

Wastes and/or Hazardous Constituents Managed:

USED OIL; TPH, CADMIUM, CHROMIUM, LEAD

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT  
SITE CHECK REPORT

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: SITE CHECK COMPLETED. SA IN 1997

Site Data Sheet

SWMU Number: S186

Name: TC-912  
CAMP GEIGER MINI C STORE

Type of Unit: UNDERGROUND STORAGE TANK, 6,000 GALLONS. CONTENTS: GAS/DIESEL/OIL

Period of Operation: 1964 TO 1990

Physical Description and Condition:

THERE WERE FIVE TANKS AT THIS SITE TWO 6000-GALLON(GASOLINE), ONE 4000-GALLON( UNLEADED), ONE 550-GALLON(HEATING OIL), AND ONE UNKNOWN-GALLON (USED OIL). TANK REMOVED IN JUNE 1992 AND SOIL CONTAMINATION WAS IDENTIFIED.

Wastes and/or Hazardous Constituents Managed:

GAS/DIESEL/OIL

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT  
SITE ASSESSMENT REPORT, CORRECTIVE ACTION PLAN

Site Assessment Date: 6/7/94

Corrective Action Plan Date: 5/5/95

Comments: CAP SUBMITTED TO THE STATE, BUT LAW IS REVISING RECENT COMMENTS.

**Site Data Sheet**

SWMU Number: S187

Name: TT PUMP AND TREAT  
OLD SERVICE STATION

Type of Unit: UNDERGROUND STORAGE TANK, 3,000 GALLONS. CONTENTS: GASOLINE

Period of Operation: 1952-1987

**Physical Description and Condition:**

PUMP AND TREAT SYSTEM IS IN PLACE AND OPERATING. AN ESTIMATED 10,000 GALLONS HAVE BEEN LOST AT THIS SITE.

**Wastes and/or Hazardous Constituents Managed:**

GASOLINE

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

RELEASE CONFIRMED TO SOIL

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: CAP (JUNE 1991)

Site Assessment Date:

Corrective Action Plan Date:

Comments: IN OPERATION

Site Data Sheet

SWMU Number: S188

Name: TT-2453-5  
AUTO HOBBY SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: HEATING OIL

Period of Operation: 1952 TO 6/23/93

Physical Description and Condition:

ON JUNE 23, 1993 PEELE'S PUMP AND TANK COMPANY REMOVED ONE 500-GALLON USED OIL TANK, AND ONE 500-GALLON HEATING OIL TANK. WHILE INSTALLING A MONITORING WELL AS PART OF A SITE CHECK, R.E. WRIGHT ENVIRONMENTAL INC., DRILLED THROUGH A SIX-INCH SEWER LINE AND A 3/4-INCH WATER LINE. (MAY 5, 1995) UNDER EXTENSIVE REVIEW THE CONTRACTOR IS NOT LIABLE AND R.E. WRIGHT ENVIRONMENTAL SHOULD BE CONSIDERED TO PAY FOR REPAIR COSTS (\$4,878) BECAUSE THEY DID NOT "USE

Wastes and/or Hazardous Constituents Managed:

HEATING OIL

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

SITE CHECK REPORT

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments:

REQUESTED CLOSURE, JULY 24, 1995

Site Data Sheet

SWMU Number: S189

Name: TT-2455  
COMMISSARY

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: HEATING OIL

Period of Operation: 1/1/52 TO 1992

Physical Description and Condition:

UST REMOVED JUNE 24, 1992. ERC DEVELOPED THE CLOSURE REPORT AND FOUND TPH CONTAMINATION OF 106 PPM TO 2750 PPM OILS. SITE CHECK WAS PERFORMED BY GROUNDWATER TECH AND COMPLETED JULY 1993. SITE CHECK IDENTIFIED SOIL CONTAMINATION OF UP TO 6800 PPM DIESEL. NO GROUNDWATER CONTAMINATION WAS IDENTIFIED ONSITE.

Wastes and/or Hazardous Constituents Managed:

HEATING OIL; TPH (DIESEL)

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT  
SITE CHECK REPORT, SITE ASSESSMENT REPORT

Site Assessment Date: 10/28/94

Corrective Action Plan Date:

Comments: CAP UNDERWAY; AWAITING DELIVERY ORDER FROM LANTDIV FOR A PILOT TEST

Site Data Sheet

SWMU Number: S19

Name: BA-130/SBA-131  
2ND RECON BN WASH RACK

Type of Unit: UNDERGROUND STORAGE TANK, 500 GALLONS. CONTENTS: WASTE OIL

Period of Operation: 1977 -1989

Physical Description and Condition:

TANK REMOVED ON APRIL 4, 1993 BY PEELE'S PUMP & TANK COMPANY. AFTER REVIEW OF THREE WELL SITE CHECKS, SITE REQUIRES NO FURTHER ACTION. OIL AND GREASE AT 400 PPM.

Wastes and/or Hazardous Constituents Managed:

WASTE OIL

Release Pathways:

Air  Surface Water  Soil

Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

UST CLOSURE REPORT  
THREE WELL SITE CHECK (MARCH 1994)

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments:

CLOSED/DEHNR, LETTER OF MARCH 30, 1995, WELLS NEED CLOSURE.

Site Data Sheet

SWMU Number: S190

Name: TT-2463-2473  
SHOPPING CENTER

Type of Unit: UNDERGROUND STORAGE TANK, 500 GALLONS. CONTENTS: HEATING OIL

Period of Operation: 1952 TO 1992

Physical Description and Condition:

SEVERAL TANKS ARE AT THIS SITE (300 TO 500 GALLON CAPACITY) WHICH WERE CLOSED IN PLACE BY JONES AND FRANK FROM SEPTEMBER TO OCTOBER 1992. SAMPLES TAKEN AT THE TIME OF CLOSURE INDICATE TPH LEVELS ABOVE APPLICABLE STANDARDS. R.E. WRIGHT COMPLETED A SITE CHECK IN OCTOBER 1993 THAT FOUND SOIL CONTAMINATION FROM ND TO 23,200 PPM DIESEL. FREE PRODUCT WAS DISCOVERED AT THE SITE.

Wastes and/or Hazardous Constituents Managed:

HEATING OIL; TPH (DIESEL)

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT  
SITE ASSESSMENT REPORT

Site Assessment Date: 2/2/95

Corrective Action Plan Date:

Comments: CAP UNDERWAY; AWAITING DELIVERY ORDER FROM LANTDIV FOR A PILOT TEST

Site Data Sheet

SWMU Number: S191

Name: TT-2477-1  
GAS STATION/CHAPEL

Type of Unit: UNDERGROUND STORAGE TANK, 10,000 GALLONS. CONTENTS: GAS, FUEL OIL

Period of Operation: 1950S TO 1982,1992

Physical Description and Condition:

TANKS WERE ABANDONED IN 1992-1993. 500-GALLON HEATING OIL, 10000-GALLON GASOLINE AND A 550-GALLON HYDRAULIC FLUID TANK. R.E.. WRIGHT COMPLETED A SITE CHECK IN MARCH 1994 AND FOUND HIGH LEVELS OF TPH IN SOIL. TRACE AMOUNTS OF FREE PRODUCT WERE IDENTIFIED. IN OCTOBER 1993 R.E.. WRIGHT FOUND TPH DIESEL FROM 195 TO 1410 PPM. GROUNDWATER CONTAMINATION OF 5.07 PPB BENZENE WAS FOUND.

Wastes and/or Hazardous Constituents Managed:

GAS, FUEL OIL; TPH, BENZENE

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED IN SOIL & GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK REPORT  
SITE ASSESSMENT REPORT

Site Assessment Date: 3/1/95

Corrective Action Plan Date: 3/20/96

Comments: CAP UNDERWAY/SOIL AND GROUNDWATER CONTAMINATION WILL BE COMBINED WITH TT-2478

Site Data Sheet

SWMU Number: S192

Name: TT-2477-3  
CHAPEL

Type of Unit: UNDERGROUND STORAGE TANK, 10,000 GALLONS. CONTENTS: GAS, FUEL OIL

Period of Operation: 1950S TO 1982, 1992

Physical Description and Condition:

TANKS WERE ABANDONED IN 1992-1993. 500-GALLON HEATING OIL, 10000-GALLON GASOLINE AND A 550-GALLON HYDRAULIC FLUID TANK. R.E.. WRIGHT COMPLETED A SITE CHECK IN MARCH 1994 AND FOUND HIGH LEVELS OF TPH IN SOIL. TRACE AMOUNTS OF FREE PRODUCT WERE IDENTIFIED. IN OCTOBER 1993 R.E.. WRIGHT FOUND TPH DIESEL FROM 195 TO 1410 PPM. GROUNDWATER CONTAMINATION OF 5.07 PPB BENZENE WAS FOUND.

Wastes and/or Hazardous Constituents Managed:

GAS, FUEL OIL; TPH, BENZENE

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK REPORT  
SITE ASSESSMENT REPORT

Site Assessment Date: 4/1/95

Corrective Action Plan Date: 3/20/96

Comments: CAP UNDERWAY/SOIL AND GROUNDWATER CONTAMINATION WILL BE COMBINED WITH TT-2478

Site Data Sheet

SWMU Number: S193

Name: TT-2478  
MWR GAS STATION

Type of Unit: UNDERGROUND STORAGE TANK, 10,000 GALLONS. CONTENTS: GAS/DIESEL

Period of Operation: 1986 TO 1994

Physical Description and Condition:

FOUR TANKS AT TT-2478 AND THREE TANKS AT TT-2477. FREE PRODUCT WAS REMOVED FROM THIS SITE VIA CONTRACT 92-8428.

Wastes and/or Hazardous Constituents Managed:

GAS/DIESEL

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE CONFIRMED

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT, SITE CHECK REPORT, SITE ASSESSMENT, CORRECTIVE ACTION PLAN

Site Assessment Date: 3/22/94

Corrective Action Plan Date: 3/20/96

Comments: DESIGN OF CAP ORDERED

Site Data Sheet

SWMU Number: S194

Name: TT-44  
TT COMMUNITY CENTER

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: HEATING OIL

Period of Operation: 1952 TO 4/12/1994

Physical Description and Condition:

ON APRIL 12 1994, ONE 1000-GALLON FUEL OIL UST WAS REMOVED BY JONES AND FRANK. SITE CHECK DID NOT FIND ANY SOIL CONTAMINATION ABOVE THE REGULATORY LIMIT. MTBE WAS FOUND IN TWO OF THE WELLS AT 22.5 AND 102 PPB. THE SITE WAS SUBMITTED TO NCDEHNR FOR CLOSURE. SITE CHECK INDICATES NO FURTHER ACTION IS WARRANTED.

Wastes and/or Hazardous Constituents Managed:

HEATING OIL; MTBE

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE CONFIRMED

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK REPORT

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: REQUEST CLOSURE (FSC) 12/19/94

Site Data Sheet

SWMU Number: S198

Name: A-10/SA-26  
GREASE RACK

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: USED OIL

Period of Operation: 1983-1989

Physical Description and Condition:

TANK CLOSURE REPORT IDENTIFIED OIL AND GREASE CONTAMINATION OF 1,400 PPM. ON JULY 23, 1993, PEELE'S PUMP & TANK CO. REMOVED TANK. THERE WERE NO SIGNS OF LEAKAGE.

Wastes and/or Hazardous Constituents Managed:

USED OIL

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

[Empty box for references]

Site Assessment Date:

[Empty box for site assessment date]

Corrective Action Plan Date:

[Empty box for corrective action plan date]

Comments:

RI IN PROGRESS/ IR SITE 73

Site Data Sheet

SWMU Number: S199

Name: A-12-1,-2  
FUELING AREA

Type of Unit: UNDERGROUND STORAGE TANK, 10,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1950-1992

Physical Description and Condition:

FREE PRODUCT WAS IDENTIFIED IN THE TANK EXCAVATION AREA.

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: FINAL RI/FS (MACH 1995)

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: RI IN PROGRESS/ IR SITE 73 (OU 9)



Site Data Sheet

SWMU Number: S201

Name: A-47-3  
MAINTENANCE SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 30,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1986-1993

Physical Description and Condition:

A PRODUCT FUEL LINE WAS DAMAGED AND APPROXIMATELY 1,000 GALLONS OF PRODUCT WAS LOST.

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: FINAL RI/FS (MARCH 95)

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: RI IN PROGRESS/ IR SITE 73

**Site Data Sheet**

SWMU Number:

Name:

Type of Unit:

Period of Operation:

**Physical Description and Condition:**

**Wastes and/or Hazardous Constituents Managed:**

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

Site Assessment Date:

Corrective Action Plan Date:

Comments:

**Site Data Sheet**

SWMU Number: S203

Name: A-47/SA-21  
AMPHIBIAN VEHICLE MAINTENANCE SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 4,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1983-1990

**Physical Description and Condition:**

SOIL AND GROUNDWATER CONTAMINATION EXISTS FROM THE FORMER UST.

**Wastes and/or Hazardous Constituents Managed:**

DIESEL

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: FINAL RI/FS (MARCH 95)

Site Assessment Date:

Corrective Action Plan Date:

Comments: RI IN PROGRESS/ IR SITE 73

Site Data Sheet

SWMU Number: S204

Name: BB-46  
SPECIAL SERVICES BOATHOUSE

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: GASOLINE

Period of Operation: 1980-1989

Physical Description and Condition:

1/6/94 TANK REMOVED BY JONES AND FRANK ENV. & REGULATORY CONSULTANTS (ERC), INC.  
1/18/94 WATER: METHOD 602 IDENTIFIED BENZENE AT 85 PPB (NC IS <1 PPB)  
SUBSURFACE INVESTIGATION INDICATED ALL SOIL SAMPLES WERE BELOW LIMITS OF DETECTION FOR TPH-GRO.  
NO GAS CONSTITUENTS WERE DETECTED IN GROUNDWATER. HOWEVER, SAMPLES INDICATED PCE (16-30 PPB).

Wastes and/or Hazardous Constituents Managed:

GASOLINE; BENZENE, PCE

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: TANK REMOVAL REPORT (1/24/94)  
SITE CHECK REPORT (3/13/95)

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: TO IRP; OU 16

Site Data Sheet

SWMU Number: S205

Name: BB-51  
USMC ENGR INSTRUCTION BLDG.

Type of Unit: UNDERGROUND STORAGE TANK, 300 GALLONS. CONTENTS: USED OIL

Period of Operation: 1946-1992

Physical Description and Condition:

TWO TANKS REMOVED (AUGUST, 92). SOIL SAMPLES IDENTIFIED HYDROCARBON IMPACT, OIL AND GREASE. NO EVIDENCE OF FREE PRODUCT WAS IDENTIFIED DURING INSTALLATION OF MONITORING WELLS. NO DEFINITIVE PETROCHEMICAL PLUME WAS IDENTIFIED IN GROUNDWATER. EPA METHOD 502.2 INDICATED SEVERAL ORGANIC COMPOUNDS WHICH ARE NOT PETROLEUM IN NATURE. CHLOROFORM WAS IDENTIFIED IN GROUNDWATER. OFF SITE SOURCE OF CONTAMINATION IS SUSPECTED.

Wastes and/or Hazardous Constituents Managed:

USED OIL AND CHLOROFORM

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK REPORT (9/23/93)  
FINAL CSA (9/23/94)

Site Assessment Date: 9/27/94

Corrective Action Plan Date:

Comments: TO IR PROGRAM (OU 16)

Site Data Sheet

SWMU Number: S206

Name: BB-9  
BASE UTILITIES BOILER HOUSE

Type of Unit: UNDERGROUND STORAGE TANK, 10,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1942-1990

Physical Description and Condition:

SOIL SAMPLES INDICATE TPH-DIESEL (142-690 PPM), TPH-LUBRICATION OIL (120-1700 PPM), AND TPH-TOTAL OIL AND GREASE (870-3800 PPM) IN EXCESS OF STANDARDS.  
GROUNDWATER INDICATES BENZENE (2.7 PPB), TOLUENE (5.1 PPB), ETHYL BENZENE (11 PPB), AND TOTAL XYLENES (48 PPB).  
EPA METHOD 8021 INDICATES TCE AND PCE. OFF SITE SOURCE OF CONTAMINATION IS SUSPECTED.

Wastes and/or Hazardous Constituents Managed:

DIESEL AND SOLVENTS; TPH, BENZENE, TOLUENE, ETHYLBENZENE, XYLENE, TCE, PCE

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: THREE-WELL SITE CHECK (8/25/93), CSA (12/27/94), AND STRATEGY LETTER (3/21/95)  
Site Assessment Date: 12/27/94  
Corrective Action Plan Date: \_\_\_\_\_

Comments: NO UST ACTION REQUIRED; SENT TO IR PROGRAM (OU 16); LANTDIV TO PROVIDE DO FOR PILOT TEST.

Site Data Sheet

SWMU Number: S208

Name: G-480  
EOD/ARMORY

Type of Unit: UNDERGROUND STORAGE TANK, 500 GALLONS. CONTENTS: DIESEL

Period of Operation: 1/1/75 TO 1/19/1994

Physical Description and Condition:

UST CLOSURE BY JONES & FRANK FOUND 630 & 830PPM DIESEL AS OF 2/8/94. TRANSFERRED TO THE IR PROGRAM BECAUSE OF THE COMMINGLING PLUMES.

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: PART OF OU#10 SITE 35  
MAY NOT PART OF OU#10 SITE 35

Site Data Sheet

SWMU Number: S217

Name: 25  
BASE DRY CLEANERS

Type of Unit: UNDERGROUND STORAGE TANK, 1,000 GALLONS. CONTENTS: VARSOL

Period of Operation: 1943-198?

Physical Description and Condition:

VARSOL WAS USED FROM THE 1940S UNTIL THE 1970S WHEN THE DRY CLEANERS SWITCHED OVER TO PCE. PCE IS BEING CURRENTLY USED OUT OF AST WITHIN THE CONFINES OF BLDG. 25. TANKS WERE TAKEN OUT OF SERVICE IN THE LATE '80S. FIVE TANKS WERE REMOVED AT THIS SITE. CONCENTRATIONS OF TCE AND PCE EXCEEDED RCRA CHARACTERISTIC LEVELS.

Wastes and/or Hazardous Constituents Managed:

CLEANING SOLVENTS; TCE, PCE

Release Pathways:

- Air  Surface Water  Soil  Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: WORK PLAN FOR UST REMOVALS AT BLDG. 25 (7/95)  
STRATEGY PLAN (4/96)

Site Assessment Date:

Corrective Action Plan Date:

Comments: TO IRP 4/4/95, SITE 88 (OU 15)

Site Data Sheet

SWMU Number: S251

Name: STC-868  
LUBE RACK

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: USED OIL

Period of Operation: 1983 TO 1993

Physical Description and Condition:

R.E. WRIGHT SITE CHECK FOUND 1400 PPM TPH OIL AND GREASE. SVOCs IN ALL WELLS WERE ABOVE MAXIMUM CONTAMINANT LEVELS. SEVERAL CHLORINATED SOLVENTS WERE DETECTED AT CONCENTRATIONS EXCEEDING EPA MCL STANDARDS.

Wastes and/or Hazardous Constituents Managed:

USED OIL; TPH, SVOC

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK REPORT

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NOW PART OF IR OU 16 SITE 89

Site Data Sheet

SWMU Number: S252

Name: TC-942  
WAREHOUSE/SUPPLY

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: USED OIL

Period of Operation: 1/1/83 TO 12/18/93

Physical Description and Condition:

PEELE'S PUMP AND TANK REMOVED THE UST ON DEC. 18, 1993. UST CLOSURE SAMPLES INDICATED SOIL CONTAMINATION AT 584 PPM. R.E.. WRIGHT COMPLETED A SITE CHECK AND FOUND TPH CONTAMINATION UP TO 8,126 PPM. GROUNDWATER HAD CADMIUM AND LEAD ABOVE MCLS. VOCS WERE ALSO IDENTIFIED IN THE GROUNDWATER.

Wastes and/or Hazardous Constituents Managed:

USED OIL; TPH, VOCS, CADMIUM, LEAD

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: UST CLOSURE REPORT  
SITE CHECK REPORT

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: TRANSFERRED TO IR SITE OU16.

Site Data Sheet

SWMU Number: S28

Name: FC-102/SFC-104  
COMBAT VEHICLE MAINTENANCE

Type of Unit: UNDERGROUND STORAGE TANK, 550-GALLONS. CONTENTS: USED OIL

Period of Operation: 1980-PRESENT

Physical Description and Condition:

UPON REMOVAL, THE FID DID NOT INDICATE PRESENCE OF AROMATIC PETROLEUM HYDROCARBONS. EPA METHOD 9071 INDICATED OIL AND GREASE (374 PPM). THREE WELL SITE CHECK DETERMINED NO FURTHER ACTION, 3/30/95.

Wastes and/or Hazardous Constituents Managed:

USED OIL FROM VEHICLE MAINTENANCE OPERATIONS

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE CONFIRMED

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: TANK REMOVAL REPORT; SEPTEMBER 15, 1992.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: CLOSED/DEHNR, LETTER ON MARCH 30, 1995, WELLS NEED CLOSURE.

Site Data Sheet

SWMU Number: S29

Name: FC-201(W)  
2ND FSSG AUTO SHOP/LUBE RACK

Type of Unit: UNDERGROUND STORAGE TANK, 550-GALLONS. CONTENTS: WASTE OIL

Period of Operation:

Physical Description and Condition:

TANK REMOVED AT THE SAME TIME AS FC-201-E. FID DID NOT INDICATE PRESENCE OF AROMATIC HYDROCARBONS. SOIL SAMPLES INDICATE PETROLEUM HYDROCARBONS BY EPA METHOD 9071 (OIL AND GREASE) AT 390-760 PPM. APRIL 30, 1995, AFTER REVIEW OF THREE WELL SITE CHECKS, NO FURTHER ACTION REQUIRED.

Wastes and/or Hazardous Constituents Managed:

WASTE OIL FROM AUTO SHOP

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

TANK REMOVAL REPORT, SEPTEMBER 1992.

Site Assessment Date:

Corrective Action Plan Date:

Comments:

CLOSED/DEHNR, LETTER ON MARCH 30, 1995, WELLS NEED CLOSURE.

**Site Data Sheet**

SWMU Number: S33

Name: LESS THAN 90-DAY HW SITES, BASEWIDE

Type of Unit:

Period of Operation: ACTIVE

**Physical Description and Condition:**

GOOD CONDITION

**Wastes and/or Hazardous Constituents Managed:**

VARIOUS HAZARDOUS WASTE STREAMS.

**Release Pathways:**

- Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

NO KNOWN HISTORY OR EVIDENCE OF RELEASE.

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: FACILITY ASSESSMENT REPORT FOR MCB CLNC,  
OCTOBER 1995.

Site Assessment Date:

Corrective Action Plan Date:

Comments: A VISUAL SITE INSPECTION WAS CONDUCTED BY ENSAFE, INC. THEY FOUND NO EVIDENCE OF  
RELEASE.

Site Data Sheet

SWMU Number: S34

Name: M-178-1  
WASTE WATER TREATMENT PLANT

Type of Unit: UNDERGROUND STORAGE TANK, 283 GALLONS. CONTENTS: GASOLINE

Period of Operation: ? TO 11/10/1994

Physical Description and Condition:

SITE IS CLOSED BASED ON A SITE SENSITIVITY EVALUATION AND REQUIRES NO FURTHER ACTION. TANK WAS REMOVED ON NOVEMBER 10 1994 BY OMEGA ENVIRONMENTAL SERVICES, INC.

Wastes and/or Hazardous Constituents Managed:

GASOLINE

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE CONFIRMED

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

CLOSURE REPORT  
SITE SENSITIVITY EVALUATION

Site Assessment Date:

Corrective Action Plan Date:

Comments:

SITE WAS AGREED AS CLOSED PER CONVERSATION WITH DR. STEHMAN

Site Data Sheet

SWMU Number: S340

Name: 1601

Type of Unit: UNDERGROUND STORAGE TANK. CONTENTS:

Period of Operation:

Physical Description and Condition:

Wastes and/or Hazardous Constituents Managed:

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

Site Assessment Date:

Corrective Action Plan Date:

Comments:

NEEDS SA

Site Data Sheet

SWMU Number: S341

Name: BB-293  
WASHPAD OIL/WATER SEPARATOR

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: WASTE OIL

Period of Operation: 1983-1996

Physical Description and Condition:

RELEASE ON APRIL 5, 1996. TANK REMOVED.  
OIL AND GREASE AT 1550-1700 PPM.

Wastes and/or Hazardous Constituents Managed:

WASTE OIL

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

[Empty box for references]

Site Assessment Date:

[Empty box for site assessment date]

Corrective Action Plan Date:

[Empty box for corrective action plan date]

Comments:

NEEDS SA. SCOPED ON APRIL 2, 1996.

Site Data Sheet

SWMU Number: S7

Name: AS-118  
AUTO MAINTENANCE SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: USED OIL

Period of Operation: 1983-1992

Physical Description and Condition:

NO CONTAMINATION WAS IDENTIFIED BY THE SITE CHECKS.

Wastes and/or Hazardous Constituents Managed:

USED OIL

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE CONFIRMED

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK MAY, 1993, MARCH, 1994

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: CLOSED/DEHNR; LETTER OF MARCH 30, 1995, WELLS NEED CLOSURE

**Site Data Sheet**

SWMU Number: S79

Name: 61  
STORAGE

Type of Unit: UNDERGROUND STORAGE TANK, 500 GALLONS. CONTENTS: DIESEL

Period of Operation: 1974-1993

**Physical Description and Condition:**

NO CONTAMINATION WAS IDENTIFIED IN THE SITE CHECK.

**Wastes and/or Hazardous Constituents Managed:**

DIESEL

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

NO RELEASE CONFIRMED.

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK

Site Assessment Date:

Corrective Action Plan Date:

Comments: CLOSED/DEHNR, LETTER OF MARCH 30, 1995, WELLS NEED CLOSURE.

Site Data Sheet

SWMU Number: S8

Name: AS-3504  
ELECTRONICS/COMMUNICATIONS MAINTENANCE

Type of Unit: UNDERGROUND STORAGE TANK, 500 GALLONS. CONTENTS: DIESEL

Period of Operation: 1965-1992

Physical Description and Condition:

SITE CHECK IDENTIFIED NO SOIL OR GROUNDWATER CONTAMINATION. ON AUGUST 19, 1992, ONE STEEL 550-GALLON DIESEL FUEL UST, TWO 2,500- GALLON DIESEL FUEL USTS WERE EXCAVATED AND REMOVED. SEPTEMBER 7, 1992, ONE ADDITIONAL 550 GALLON DIESEL FUEL UST WAS EXCAVATED AND REMOVED, ALL TANKS WERE REMOVED BY J&F PERSONNEL. SOILS SCREENED USING THE FID, INDICATED THE PRESENCE OF AROMATIC PETROLEUM HYDROCARBONS, CONCENTRATIONS RANGED FROM 38 TO 47 PPM.

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK  
Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: CLOSED/DEHNR, LETTER OF MARCH 30, 1995,, WELLS NEED CLOSURE.

Site Data Sheet

SWMU Number: S9

Name: AS-4146-3  
SUPPORT EQUIPMENT SHOP

Type of Unit: UNDERGROUND STORAGE TANK, 5,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1977-1993

Physical Description and Condition:

SITE CHECK IDENTIFIED NO SOIL OR GROUNDWATER CONTAMINATION. ON JULY 23, 1993 PEELE'S PUMP & TANK CO. REMOVED ONE 550-GALLON USED OIL TANK.

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE CONFIRMED.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE CHECK  
Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: CLOSED/DEHNR, LETTER OF MARCH 30, 1995, WELLS NEED CLOSURE.

Site Data Sheet

SWMU Number: S98

Name: 1106  
AUTO HOBBY SHOP AREA

Type of Unit: UNDERGROUND STORAGE TANK, 550 GALLONS. CONTENTS: WASTE OIL

Period of Operation: REMOVED 1994

Physical Description and Condition:

ERC ENGINEERING REMOVED TANK ON 9/26/94. FIELD SCREENING OF SOIL INDICATED PRESENCE OF VOLATILE VAPORS BELOW 10 PPM. EPA METHOD INDICATED TPH AT 1,710 PPM. EPA METHOD 8021 INDICATED TCE AT 0.8 PPB. EPA METHOD 1311 TCLP DID NOT INDICATE PRESENCE OF METALS AT LEVELS ABOVE MDL/QUANTITATION LIMIT.

Wastes and/or Hazardous Constituents Managed:

WASTE OIL; TPH, TCE

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL & GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: 3/19/95 CLOSURE REPORT

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NEEDS TO BE SCOPED  
NEEDS SITE ASSESSMENT

SWMU Number: S99

Name: 1115  
BUILDING 1115/1100

Type of Unit: UNDERGROUND STORAGE TANK, 5,000 GALLONS. CONTENTS: DIESEL

Period of Operation: 1951-1993

Physical Description and Condition:

SEVEN TANKS AT THIS SITE. TANKS HELD GASOLINE AND DIESEL. FREE PRODUCT IS BEING RECOVERED. SOIL CONTAMINATION HAS BEEN DELINEATED WHILE GROUNDWATER CONTAMINATION EXTENDS OUTSIDE OF CURRENT MONITORING WELL BOUNDARIES.

Wastes and/or Hazardous Constituents Managed:

DIESEL

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONFIRMED TO SOIL AND GROUNDWATER

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SITE ASSESSMENT AND ADDENDUM SITE ASSESSMENT  
Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: NEEDS FURTHER VERTICAL DELINEATION

**Site Data Sheet**

SWMU Number: S172

Name: IR-NUMBER 22  
INDUSTRIAL AREA TANK FARM

Type of Unit: CERCLA SITE - TANKS

Period of Operation: 1979

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY - 1983

**Wastes and/or Hazardous Constituents Managed:**

DIESEL, UNLEADED, AND POSSIBLY LEADED GASOLINE

**Release Pathways:**

- Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

A RELEASE HAS OCCURRED

**Recommendations:**

- A. No Further Action \_\_\_\_\_   
B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_   
C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_   
D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:**

INITIAL ASSESSMENT STUDY - 1983

Site Assessment Date:

Corrective Action Plan Date:

**Comments:**

INVESTIGATION AND REMEDIATION BEING COMPLETED THROUGH THE IR UST PROGRAM

**Site Data Sheet**

SWMU Number: S195

Name: IR-NUMBER 28  
HADNOT POINT BURN DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: APPROXIMATELY 1946-1971

**Physical Description and Condition:**

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; RI/FS COMPLETED IN 1995; RECORD OF DECISION SIGNED IN MARCH 1996; NO FURTHER ACTION

**Wastes and/or Hazardous Constituents Managed:**

MIXED INDUSTRIAL TYPE WASTES, REFUSE, TRASH, OIL-BASED PAINT, GARBAGE

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, 1983, PAGE 6-56; SMP - 1996; ROD -  
1996

Site Assessment Date:

Corrective Action Plan Date:

Comments: INCLUDED IN OPERABLE UNIT #7

Site Data Sheet

SWMU Number: S196

Name: 45-POND  
MCB

Type of Unit: SPILL CONTAINMENT POND - SURFACE IMPOUNDMENT

Period of Operation: UNKNOWN

Physical Description and Condition:

EARTHEN - ABOUT 1 ACRE; NO LONGER USED.

Wastes and/or Hazardous Constituents Managed:

IR SITE 84.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

INDUSTRIAL WASTEWATER PLAN/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 9-19/20, SKETCH B128, PAGE A-577

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments:

UNDER IR INVESTIGATION.

**Site Data Sheet**

SWMU Number: S197

Name: IR-NUMBER 63  
VERONA LOOP ROAD DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: UNKNOWN (PRIOR TO 1983)

**Physical Description and Condition:**

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; RI/FS UNDERWAY

**Wastes and/or Hazardous Constituents Managed:**

BIVOUC WASTES

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY, APRIL 1983, PAGE 6-119; SMP - 1996

Site Assessment Date:

Corrective Action Plan Date:

Comments: INCLUDED IN OPERABLE UNIT #13

Site Data Sheet

SWMU Number: S210

Name: IR-NUMBER 1  
FRENCH CREEK LIQUIDS DISPOSAL AREA

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: LATE 1940S TO MID 1970S

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; RI/FS COMPLETED IN 1995; RECORD OF DECISION SIGNED IN MARCH 1996

Wastes and/or Hazardous Constituents Managed:

WASTE MOTOR OIL, WASTE HYDRAULIC FLUID, AND USED BATTERY ACID

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY 13-011, APRIL 1983, PAGE 4-6.; SMP - 1996; ROD - 1996

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #7.

**Site Data Sheet**

SWMU Number: S211

Name: IR-NUMBER 10  
ORIGINAL BASE DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: PRE 1950

**Physical Description and Condition:**

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; PRE-RI/FS UNDERWAY

**Wastes and/or Hazardous Constituents Managed:**

CONSTRUCTION DEBRIS

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY, APRIL 1983, PAGE 6-98; SMP - 1996

Site Assessment Date:  

Corrective Action Plan Date:  

**Comments:**

**Site Data Sheet**

SWMU Number: S212

Name: IR-NUMBER 12  
EOD-1 RANGE (FORMERLY EXPLOSIVE ORDNANCE DISPOSAL (G-4A))

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: EARLY 1960S THROUGH PRESENT

**Physical Description and Condition:**

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; PRE-RI/FS UNDERWAY

**Wastes and/or Hazardous Constituents Managed:**

ORDNANCE, BURNED OR EXPLODED, COLORED SMOKES, AND WHITE PHOSPHORUS

**Release Pathways:**

- Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY, APRIL 1983, PAGE 6-99; SMP - 1996

Site Assessment Date:

Corrective Action Plan Date:

**Comments:**

**Site Data Sheet**

SWMU Number:

Name:

Type of Unit:

Period of Operation:

**Physical Description and Condition:**

**Wastes and/or Hazardous Constituents Managed:**

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

Site Assessment Date:

Corrective Action Plan Date:

Comments:

Site Data Sheet

SWMU Number: S214

Name: IR-NUMBER 2  
FORMER NURSERY/DAY CARE CENTER

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1945-1958

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; RI/FS COMPLETED IN 1994; TCRA (SOIL) COMPLETED IN 1994; ROD SIGNED IN SEPTEMBER 1994; LONG-TERM MONITORING UNDERWAY.

Wastes and/or Hazardous Constituents Managed:

CHLORDANE; DDT; DIAZINON; DIELDRIN; LINDANE; MALATHION; 2,4-D; 2,4,5-T; SILVEX; DALAPON

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

[Empty box for history and/or evidence of release(s)]

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY, APRIL 1983, PAGE 6-35; SMP - 1996; ROD - SEPTEMBER 1994

Site Assessment Date: [Empty box]

Corrective Action Plan Date: [Empty box]

Comments: INCLUDED IN OPERABLE UNIT #5

Site Data Sheet

SWMU Number: S215

Name: IR-NUMBER 21  
TRANSFORMER STORAGE LOT 140

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1958 TO 1977

Physical Description and Condition:

SITE IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) - 1983; CONTAMINATED WITH PESTICIDES AND PCBs; RI/FS COMPLETED - JUNE 1994; RECORD OF DECISION SIGNED SEPTEMBER 1994; REMOVAL ACTION (SOIL) COMPLETED - DECEMBER 1995; NO FURTHER ACTION

Wastes and/or Hazardous Constituents Managed:

CHLORDANE (DUST), DDT (DUST), DIAZINON, SILVEX, DALPON, AND DURSBAN. PCB IN SMALL QUANTITIES

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

EVIDENCE OF PAST RELEASE IDENTIFIED IN IAS.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY 13-011, 1983, PAGE 6-48; SMP - 1996; RI/FS - JUNE 1994; RECORD OF DECISION - SEPTEMBER 1994; RD (1995)

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #1

Site Data Sheet

SWMU Number: S216

Name: IR-NUMBER 24  
INDUSTRIAL AREA FLY ASH DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: LATE 1940'S TO APPROXIMATELY 1980

Physical Description and Condition:

SITE IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) - 1983; RI/FS COMPLETED - JUNE 1994. RECORD OF DECISION SIGNED - SEPTEMBER 1994. RECOMMENDED FOR LONG-TERM MONITORING.

Wastes and/or Hazardous Constituents Managed:

FLY ASH, CINDERS, AND SOLVENT FROM CENTRAL HEATING PLANT. WTP SPIRATOR SLUDGE AND SLUDGE FROM THE STP. LIMITED QUANTITIES OF FURNITURE LACQUERS AND VARNISH.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

[Empty box for history and/or evidence of release(s)]

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY, APRIL 1983, PAGE 6-53; SMP - 1996; RI/FS - JUNE 1994; RECORD OF DECISION - SEPTEMBER 1994

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #1



Site Data Sheet

SWMU Number: S219

Name: IR-NUMBER 30  
SNEADS FERRY ROAD - FUEL TANK SLUDGE AREA

Type of Unit: CERCLA SITE - SURFACE IMPOUNDMENT

Period of Operation: 1970

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; RI/FS COMPLETED IN 1995; RECORD OF DECISION SIGNED IN MARCH 1996; NO FURTHER ACTION.

Wastes and/or Hazardous Constituents Managed:

SLUDGE FROM FUEL STORAGE TANK, ESPECIALLY TETRAETHYL LEAD AND RELATED COMPOUNDS; TANK WASHOUT WATERS

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY 13-011, 1983, PAGE 6-59; SMP - 1996; ROD - 1996

Site Assessment Date:

Corrective Action Plan Date:

Comments: INCLUDED IN OPERABLE UNIT #7

Site Data Sheet

SWMU Number: S220

Name: IR-NUMBER 35  
CAMP GEIGER AREA FUEL FARM

Type of Unit: CERCLA SITE - TANKS

Period of Operation: 1942-1994

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; INTERIM RI/FS (SOIL) COMPLETE - 1994; IROD (SOIL) SIGNED - SEPTEMBER 1994; SOIL REMOVAL COMPLETED IN 1995; INTERIM RI/FS (GW) COMPLETE - 1995; IROD (GW) - SEPTEMBER 1995; AIR SPARGING FOR GW REMEDIATION UNDER CONSTRUCTION; SITE CONTINUES IN PROGRAM FOR FURTHER GROUNDWATER CONTAMINATION DELINEATION AND REMEDIATION.

Wastes and/or Hazardous Constituents Managed:

MOGAS, HEATING OIL, LEADED AND UNLEADED GASOLINE, POSSIBLE JP-FUEL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY, APRIL 1983, PAGE 6-61; SMP - 1996; INTERIM RI/FS (SOIL) - 1994; IROD (SOIL) - SEPTEMBER 1994; INTERIM RI/FS (GROUNDWATER) - 1995; IROD (GW) - SEPTEMBER 1995.

Site Assessment Date:

Corrective Action Plan Date:

Comments: INCLUDED IN OPERABLE UNIT #10

Site Data Sheet

SWMU Number: S221

Name: IR-NUMBER 36  
CAMP GEIGER AREA DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: LATE 1940S TO LATE 1950S

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; RI/FS COMPLETED IN 1996; RECORD OF DECISION PENDING

Wastes and/or Hazardous Constituents Managed:

GARBAGE, TRASH, WASTE OILS, SOLVENTS, HYDRAULIC FLUIDS

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY, APRIL 1983, PAGE 6-64; SMP - 1996

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #6

Site Data Sheet

SWMU Number: S222

Name: IR-NUMBER 41  
CAMP GEIGER DUMP NEAR FORMER TRAILER PARK

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: 1946 UNTIL 1970

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; RI/FS COMPLETED IN 1995; ROD SIGNED IN DECEMBER 1995. RESTRICTED ACCESS CONTROL MEASURES BEING INSTITUTED.

Wastes and/or Hazardous Constituents Managed:

WASTE OILS, SOLVENTS FROM AIR STATION, GARBAGE, ASPHALT, CONCRETE, OLD BATTERIES, MIREX, ORDNANCE, (POSSIBLE CHEMICAL WARFARE MATERIAL)

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY, APRIL 1983, PAGE 6-66; SMP - 1996; ROD - DECEMBER 1995

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #4

Site Data Sheet

Page:

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SWMU Number: S223

Name: IR-NUMBER 43  
AGAIN STREET DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: UNKNOWN - PRIOR TO 1990

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; TCRA (METALLIC DEBRIS) COMPLETED IN 1995; RI/FS COMPLETED IN 1996; ROD PENDING.

Wastes and/or Hazardous Constituents Managed:

BOARDS, TRASH, WTP SLUDGE, FIBERGLASS, METALLIC DEBRIS

Release Pathways:

Air

Surface Water

Soil

Groundwater

Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

A. No Further Action \_\_\_\_\_

B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_

C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_

D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY, APRIL 1983, PAGE 6-110; SMP - 1996

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #6

Site Data Sheet

SWMU Number: S224

Name: IR-NUMBER 44  
JONES STREET DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: 1950S

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; RI/FS COMPLETED IN 1996; ROD PENDING.

Wastes and/or Hazardous Constituents Managed:

DEBRIS, CLOTH, BOARDS, OLD PAINT CANS

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY, APRIL 1983, PAGE 6-111; SMP - 1996

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #6



Site Data Sheet

SWMU Number: S226

Name: IR-NUMBER 48  
MARINE CORPS AIR STATION MERCURY DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: 1956-1966

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; RI/FS COMPLETED IN 1992; ROD SIGNED IN SEPTEMBER 1993. SITE CLOSED OUT WITH NO FURTHER ACTION.

Wastes and/or Hazardous Constituents Managed:

METALLIC MERCURY

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

EVIDENCE OF PAST RELEASE IDENTIFIED IN IAS.

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY 13-011, 1983, PAGE 6-73; SMP - 1996; ROD - SEPTEMBER 1993

Site Assessment Date:

Corrective Action Plan Date:

Comments: INCLUDED IN OPERABLE UNIT #3

Site Data Sheet

SWMU Number: S227

Name: IR-NUMBER 54  
CRASH CREW FIRE TRAINING BURN PIT AT AIR STATION

Type of Unit: CERCLA SITE - SURFACE IMPOUNDMENT

Period of Operation: MID 1950S TO PRESENT

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; RI/FS COMPLETED IN 1996; ROD PENDING

Wastes and/or Hazardous Constituents Managed:

CONTAMINATED FUELS (PRINCIPALLY JP-TYPE, ALTHOUGH LEADED FUEL MAY ALSO HAVE BEEN USED), WASTE SOLVENTS

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action
- B. Corrective Action Currently Under the UST Program (DEM)
- C. Corrective Action Currently Under the Installation Restoration Program
- D. Confirmational Sampling or CERCLA (PA/SI)

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY, APRIL 1983, PAGE 6-75; SMP - 1996

Site Assessment Date:

Corrective Action Plan Date:

Comments: INCLUDED IN OPERABLE UNIT #6

Site Data Sheet

SWMU Number: S228

Name: IR-NUMBER 6  
STORAGE LOTS 201 AND 203

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1940'S THROUGH 1989

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; TCRA FOR 18 DDT DRUMS - 1992; RI/FS COMPLETED IN 1993; ROD SIGNED - SEPTEMBER 1993; SOIL REMOVAL COMPLETED - 1994; PUMP AND TREAT CONSTRUCTION FOR GROUNDWATER REMEDIATION IN PROCESS; SITE CONTINUES IN IR PROGRAM FOR GW REMEDIATION AND SURFACE DEBRIS REMOVAL.

Wastes and/or Hazardous Constituents Managed:

PESTICIDES, PCBS, SOLVENTS, MISC.... METAL DEBRIS

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY, APRIL 1983, PAGE 6-39; SMP - 1996; ROD - SEPTEMBER 1993

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #2



**Site Data Sheet**

SWMU Number: S230

Name: IR-NUMBER 68  
RIFLE RANGE DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: 1942-1972

**Physical Description and Condition:**

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; PRE-RI/FS UNDERWAY

**Wastes and/or Hazardous Constituents Managed:**

CONSTRUCTION DEBRIS, WTP SLUDGE, SOLVENTS

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY, APRIL 1983, PAGE 6-78; SMP - 1996

Site Assessment Date:

Corrective Action Plan Date:

**Comments:**

Site Data Sheet

SWMU Number: S231

Name: IR-NUMBER 69  
RIFLE RANGE CHEMICAL DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: APPROXIMATELY 1950 TO 1976

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; RI/FS UNDERWAY; PILOT STUDY FOR IN-WELL AERATION UNDERWAY.

Wastes and/or Hazardous Constituents Managed:

PENTACHLOROPHENOL; DDT; TCE; MALATHION; DIAZINON; LINDANE; GAS CYLINDERS; HTH; PCBS; DRUMS OF "GAS" THAT WERE PROBABLY A TRAINING AGENT CONTAINING CHLOROACETOPHENONE (CN); ALL OTHER HAZARDOUS MATERIALS GENERATED OR USED ON BASE; CHEMICAL AGENT TEST KITS FOR CHEMICAL WARFARE, WHICH CONTAIN NO AGENT SUBSTANCES.

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY, APRIL 1983, PAGE 6-82; SMP - 1996  
Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #14

Site Data Sheet

SWMU Number: S232

Name: IR-NUMBER 7  
TARAWA TERRACE DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: UNKNOWN BEGINNING, CLOSED IN 1972

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; RI/FS UNDERWAY

Wastes and/or Hazardous Constituents Managed:

CONSTRUCTION DEBRIS, STP FILTER SAND, AND HOUSEHOLD TRASH

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY, APRIL 1983, PAGE 6-97; SMP - 1996

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #11



Site Data Sheet

SWMU Number: S234

Name: IR-NUMBER 74  
MESS HALL GREASE DISPOSAL AREA

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: 1949-1970

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; RI/FS COMPLETED IN 1995; ROD SIGNED IN DECEMBER 1995; NO FURTHER ACTION.

Wastes and/or Hazardous Constituents Managed:

PCB'S, DDT, POSSIBLY OTHER PESTICIDES AND DRUMMED WASTES, (POSSIBLE CHEMICAL WARFARE MATERIAL)

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

EVIDENCE OF PAST RELEASE IDENTIFIED IN IAS.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY 13-011, 1983, PAGE 6-90; SMP - 1996; ROD - DECEMBER 1995

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #4



Site Data Sheet

SWMU Number: S236

Name: IR-NUMBER 76  
MCAS CURTIS ROAD SITE

Type of Unit: CERCLA SITE - CONTAINER

Period of Operation: 1949

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; PRE-RI/FS UNDERWAY

Wastes and/or Hazardous Constituents Managed:

POSSIBLY CHLORACETOPHENONE (CN) TEAR COMPOUND/TRAINING AGENT BECAUSE SIMILAR TRANSPORTING AND UNLOADING PROCEDURES AS THOSE USED AT THE MCAS BASKETBALL COURT SITE (SITE #75) WERE FOLLOWED. CHLOROFORM, CARBON TETRACHLORIDE AND BENZENE MAY BE PRESENT AS SOLVENTS AND ALSO CHLOROPICRIN (PS).

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY, APRIL 1983, PAGE 6-94; SMP - 1996  
Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments:

Site Data Sheet

SWMU Number: S237

Name: IR-NUMBER 78  
HADNOT POINT INDUSTRIAL AREA

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: SINCE THE 1940S

Physical Description and Condition:

SITE IDENTIFIED IN 1991; GROUNDWATER CONTAMINATED WITH PCE; INTERIM ROD SIGNED IN SEPTEMBER 1992 FOR GROUNDWATER; TWO PUMP AND TREAT GROUNDWATER REMEDIATION SYSTEMS WERE CONSTRUCTED IN 1995; FINAL RI/FS COMPLETED IN 1994; ROD FOR SITE SIGNED IN SEPTEMBER 1994; SOIL REMOVAL AT BLDG. 1503 COMPLETED IN 1995. SOIL REMEDIATION COMPLETE BUT GROUNDWATER IS ON-GOING.

Wastes and/or Hazardous Constituents Managed:

ORGANICS (SOLVENTS AND FUEL-RELATED COMPOUNDS) AND INORGANICS IN GROUNDWATER; PESTICIDES IN SOIL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

[Empty box for history and/or evidence of release(s)]

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SMP - 1996; RI/FS - JUNE 1994; RECORD OF DECISION - SEPTEMBER 1994

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #1

Site Data Sheet

SWMU Number: S238

Name: IR-NUMBER 80  
PARADISE POINT GOLF COURSE MAINTENANCE AREA

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1942 TO PRESENT

Physical Description and Condition:

RI/FS UNDERWAY; TCRA (SOIL) UNDERWAY

Wastes and/or Hazardous Constituents Managed:

PESTICIDES

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SMP - 1996

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #11

Site Data Sheet

SWMU Number: S239

Name: IR-NUMBER 82  
PINEY GREEN ROAD VOC AREA

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: UNKNOWN, DEBRIS IDENTIFIED IN 1990

Physical Description and Condition:

INITIALLY IDENTIFIED IN 1991; RI/FS COMPLETED IN 1993; ROD SIGNED - SEPTEMBER 1993; SOIL REMOVAL COMPLETED - 1994; SVE COMPLETED - 1995; GW PUMP AND TREAT CONSTRUCTED - 1996; SITE CONTINUES IN IR PROGRAM FOR GW REMEDIATION

Wastes and/or Hazardous Constituents Managed:

PESTICIDES AND PAH CONTAMINATION IN SOIL; VOC CONTAMINATION IN SHALLOW AND DEEP GROUNDWATER

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SMP - 1996; ROD - SEPTEMBER 1993

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #2

Site Data Sheet

SWMU Number: S240

Name: IR-NUMBER 84  
BUILDING 45 AREA

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: PRE 1940 TO PRESENT

Physical Description and Condition:

INITIALLY IDENTIFIED DURING UST INVESTIGATION OF S-781 - 1991; PRE-RI/FS UNDERWAY

Wastes and/or Hazardous Constituents Managed:

CONSTRUCTION DEBRIS CONSISTING OF CONCRETE RUBBLE, OLD POWER GUIDE WIRES, AND A RECENTLY REMOVED CAPACITOR UNIT. ALSO PREVIOUSLY REMOVED TRANSFORMERS.

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SMP - 1996

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments:

**Site Data Sheet**

**SWMU Number:** S241

**Name:** IR-NUMBER 85  
CAMP JOHNSON BATTERY DUMP

**Type of Unit:** CERCLA SITE - LANDFILL

**Period of Operation:** UNKNOWN (IDENTIFIED IN 1992)

**Physical Description and Condition:**

INITIALLY IDENTIFIED IN 1992; PRE-RI/FS UNDERWAY

**Wastes and/or Hazardous Constituents Managed:**

DECOMPOSED BATTERIES USED IN MILITARY COMMUNICATION EQUIPMENT DURING THE KOREAN ERA, AND CHARCOAL CANISTERS FROM OLD AIR PURIFYING RESPIRATORS

**Release Pathways:**

Air       Surface Water       Soil

Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:** SMP - 1996

**Site Assessment Date:**

**Corrective Action Plan Date:**

**Comments:**

Site Data Sheet

SWMU Number: S242

Name: IR-NUMBER 86  
TANK AREA AS419-AS421 AT MCAS

Type of Unit: CERCLA SITE - TANKS

Period of Operation: 1954-1988

Physical Description and Condition:

INITIALLY IDENTIFIED DURING UST INVESTIGATION IN 1992; TANKS REMOVED IN 1992; RI/FS COMPLETED IN 1996; ROD PENDING.

Wastes and/or Hazardous Constituents Managed:

PETROLEUM PRODUCTS AND WASTE OIL (SOLVENTS FOUND IN GROUNDWATER)

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SMP - 1996

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #6



Site Data Sheet

SWMU Number: S245

Name: IR-NUMBER 89  
STC-868

Type of Unit: CERCLA SITE - TANKS

Period of Operation: 1962-1995

Physical Description and Condition:

INITIALLY IDENTIFIED DURING UST INVESTIGATION IN 1995; RI/FS PENDING.

Wastes and/or Hazardous Constituents Managed:

BTEX AND CHLORINATED SOLVENT DISCOVERED IN GW

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SMP - 1996

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments:

Site Data Sheet

SWMU Number: S246

Name: IR-NUMBER 9  
FIREFIGHTING TRAINING PIT AT PINEY GREEN ROAD

Type of Unit: CERCLA SITE - SURFACE IMPOUNDMENT

Period of Operation: 1960'S THROUGH 1981 - UNLINED; TODAY - LINED

Physical Description and Condition:

INITIALLY IDENTIFIED IN INITIAL ASSESSMENT STUDY (IAS) IN 1983; RI/FS COMPLETED IN 1993; ROD SIGNED - SEPTEMBER 1993; SITE CLOSED OUT AS NO FURTHER ACTION.

Wastes and/or Hazardous Constituents Managed:

USED OIL, SOLVENTS, CONTAMINATED FUELS

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY 13-011, 1983, PAGE 6-43; SMP - 1996; ROD - SEPTEMBER 1993

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: INCLUDED IN OPERABLE UNIT #2

**Site Data Sheet**

**SWMU Number:**

**Name:**

**Type of Unit:**

**Period of Operation:**

**Physical Description and Condition:**

**Wastes and/or Hazardous Constituents Managed:**

**Release Pathways:**

Air       Surface Water       Soil

Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:**

**Site Assessment Date:**

**Corrective Action Plan Date:**

**Comments:**



**Site Data Sheet**

SWMU Number: S249

Name: IR-NUMBER 92  
BB-46

Type of Unit: CERCLA SITE - TANKS

Period of Operation: 1942-1995

**Physical Description and Condition:**

INITIALLY IDENTIFIED DURING UST INVESTIGATION IN 1995; RI/FS PENDING.

**Wastes and/or Hazardous Constituents Managed:**

BTEX AND CHLORINATED SOLVENT DISCOVERED IN GW

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SMP - 1996

Site Assessment Date:

Corrective Action Plan Date:

**Comments:**

Site Data Sheet

SWMU Number: S250

Name: IR-NUMBER 93  
TC-942

Type of Unit: CERCLA SITE - TANKS

Period of Operation: 1943-1995

Physical Description and Condition:

INITIALLY IDENTIFIED DURING UST INVESTIGATION IN 1995; RI/FS PENDING.

Wastes and/or Hazardous Constituents Managed:

BTEX AND CHLORINATED SOLVENT DISCOVERED IN GW

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: SMP - 1996

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments:

Site Data Sheet

SWMU Number: S322

Name: IR-NUMBER 29  
BASE SANITARY LANDFILL

Type of Unit: LANDFILL

Period of Operation: 1972-PRESENT

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983. THE EXISTING LANDFILL IS PERMITTED FOR 1,464,420 CUBIC YARDS. THE LANDFILL TRACT IS ABOUT 140 ACRES.

Wastes and/or Hazardous Constituents Managed:

GARBAGE, CONSTRUCTION DEBRIS AND GENERAL TRASH

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

THE SITE IS UNDER THE ASSESSMENT, MONITORING, AND OVERSIGHT BY NCDSWM. SEE NCDSWM ASSESSMENT MONITORING REPORT, 1996

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY 13-011, 1983, PAGE 6-105

Site Assessment Date:

[Empty box for Site Assessment Date]

Corrective Action Plan Date:

[Empty box for Corrective Action Plan Date]

Comments:

SITE IS CURRENT AND PERMITTED

Site Data Sheet

SWMU Number: S43

Name: IR-NUMBER 11  
PEST CONTROL SHOP

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1976-1982

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

PESTICIDES; BETA BUTTONS; ANIMAL CARCASSES WITH LOW LEVEL RADIATION

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-99.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: PREVIOUSLY REMEDIATED BY BASE ENVIRONMENTAL PERSONNEL

Site Data Sheet

SWMU Number: S44

Name: IR-NUMBER 13  
GOLF COURSE CONSTRUCTION DUMP SITE

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1944

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983

Wastes and/or Hazardous Constituents Managed:

CLIPPINGS, BRANCHES, ASPHALT

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-100.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO HAZARDOUS WASTES INVOLVED

Site Data Sheet

SWMU Number: S45

Name: IR-NUMBER 14  
KNOX AREA RIPRAP

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1973

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

BROKEN CONCRETE AND ASPHALT

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-100.

Site Assessment Date:

Corrective Action Plan Date:

Comments:

NO HAZARDOUS WASTES INVOLVED

**Site Data Sheet**

SWMU Number: S46

Name: IR-NUMBER 15  
MONTFORD POINT DUMP SITE (1948-1958)

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1948-1958

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY (IAS) 1983.

**Wastes and/or Hazardous Constituents Managed:**

LITTER, ASPHALT, STP SLUDGE, AND SAND

**Release Pathways:**

- Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-101.

Site Assessment Date:

Corrective Action Plan Date:

Comments: NO HAZARDOUS WASTES INVOLVED

Site Data Sheet

SWMU Number: S47

Name: IR-NUMBER 17  
MONTFORD POINT AREA RIPRAP

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1968-UNKNOWN

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

CONCRETE RUBBLE

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-101.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO HAZARDOUS WASTES INVOLVED



**Site Data Sheet**

**SWMU Number:** S49

**Name:** IR-NUMBER 19  
NAVAL RESEARCH LAB DUMP

**Type of Unit:** CERCLA SITE - LANDFILL

**Period of Operation:** 1956-1960

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY (IAS) 1983.

**Wastes and/or Hazardous Constituents Managed:**

RADIOACTIVE CONTAMINATED ANIMALS, EMPTY TANKS, AND SCRAP METALS

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:** IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-102.

**Site Assessment Date:**

**Corrective Action Plan Date:**

**Comments:** ANIMAL BODIES BURIED IN DEEP PITS; NO RESIDUALS EXPECTED DUE TO SHORT HALF-LIFE OF  
IODINE-131

**Site Data Sheet**

SWMU Number: S50

Name: IR-NUMBER 20  
NAVAL RESEARCH LAB INCINERATOR

Type of Unit: CERCLA SITE - INCINERATOR

Period of Operation: 1956-1960

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY (IAS) 1983.

**Wastes and/or Hazardous Constituents Managed:**

ASH AND DEBRIS

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-103.

Site Assessment Date:

Corrective Action Plan Date:

Comments: MINOR QUANTITIES OF WASTES AND RESIDUALS

Site Data Sheet

SWMU Number: S51

Name: IR-NUMBER 23  
ROADS AND GROUNDS BUILDING 1105

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1957-1977

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

PESTICIDE AND HERBICIDE STORAGE

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-103.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: FORMER PESTICIDE AND HERBICIDE STORAGE/HANDLING - NO SPILLS REPORTED



**Site Data Sheet**

**SWMU Number:** S53

**Name:** IR-NUMBER 26  
COAL STORAGE AREA

**Type of Unit:** CERCLA SITE - WASTE PILE

**Period of Operation:** PRESENT

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY (IAS) 1983.

**Wastes and/or Hazardous Constituents Managed:**

COAL STORAGE RUNOFF

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:** IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-104.

**Site Assessment Date:**

**Corrective Action Plan Date:**

**Comments:** CORRECTED WITH RUNOFF CONTROL

Site Data Sheet

SWMU Number: S54

Name: IR-NUMBER 27  
NAVAL HOSPITAL AREA RIPRAP

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1970-UNKNOWN

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

CONCRETE AND GRANITE RIPRAP

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-105.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments:

NO HAZARDOUS WASTES INVOLVED

Site Data Sheet

SWMU Number: S55

Name: IR-NUMBER 31  
ENGINEER STOCKADE - G4 RANGE ROAD

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1950-EARLY 1970S

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

WASTE OILS

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-106.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: MINOR AMOUNTS OF WASTES INVOLVED

Site Data Sheet

SWMU Number: S56

Name: IR-NUMBER 32  
FRENCH'S CREEK

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1973-1979

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

RIPRAP DUMPED

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY 13-011, APRIL 1983, PAGE 6-106. Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: NO HAZARDOUS WASTES INVOLVED



**Site Data Sheet**

SWMU Number: S58

Name: IR-NUMBER 34  
OCEAN DRIVE

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: UNKNOWN

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY (IAS) 1983.

**Wastes and/or Hazardous Constituents Managed:**

WASTE OIL

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-107.

Site Assessment Date:

Corrective Action Plan Date:

Comments: MINOR QUANTITIES OF WASTE

Site Data Sheet

SWMU Number: S59

Name: IR-NUMBER 37  
CAMP GEIGER AREA SURFACE DUMP

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1950-1951

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

MOTOR PARTS, GARBAGE, AND WOOD

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-108.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO HAZARDOUS WASTES INVOLVED

Site Data Sheet

SWMU Number: S60

Name: IR-NUMBER 38  
CAMP GEIGER CONSTRUCTION DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: PRESENT

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

CONSTRUCTION DEBRIS AND BRANCHES

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-108.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO HAZARDOUS WASTES INVOLVED

Site Data Sheet

Page:

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SWMU Number: S61

Name: IR-NUMBER 39  
CAMP GEIGER CONSTRUCTION SLAB DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: UNKNOWN

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

CONCRETE SLABS

Release Pathways:

Air

Surface Water

Soil

Groundwater

Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-109.

Site Assessment Date:

Corrective Action Plan Date:

Comments:

NO HAZARDOUS WASTES INVOLVED

Site Data Sheet

SWMU Number: S62

Name: IR-NUMBER 4  
SAWMILL ROAD CONSTRUCTION DEBRIS DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: UNKNOWN

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

ASPHALT, OLD BRICKS, AND CEMENT

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmation Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-96.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO HAZARDOUS WASTES INVOLVED

**Site Data Sheet**

SWMU Number: S63

Name: IR-NUMBER 40  
CAMP GEIGER AREA BORROW PIT

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1969-UNKNOWN

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY (IAS) 1983.

**Wastes and/or Hazardous Constituents Managed:**

AUTO PARTS AND METAL

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:**

IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-109.

Site Assessment Date:  

Corrective Action Plan Date:  

**Comments:**

NO HAZARDOUS WASTES INVOLVED

Site Data Sheet

SWMU Number: S64

Name: IR-NUMBER 42  
BUILDING 705 BOQ DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: 1950-1960

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

TREES, TREE STUMPS, AND BOARDS

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-110.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO HAZARDOUS WASTES INVOLVED

Site Data Sheet

SWMU Number: S65

Name: IR-NUMBER 46  
MCAS MAIN GATE DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: 1958-1962

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

CONSTRUCTION DEMOLITION DEBRIS

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-111.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO HAZARDOUS WASTES INVOLVED

Site Data Sheet

SWMU Number: S66

Name: IR-NUMBER 47  
MCAS RIPRAP NEAR STICK CREEK

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: UNKNOWN

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

CONSTRUCTION AND DEMOLITION DEBRIS

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-112.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments:

NO HAZARDOUS WASTES INVOLVED

**Site Data Sheet**

SWMU Number: S67

Name: IR-NUMBER 49  
MCAS SUSPECTED MINOR DUMP

Type of Unit: CERCLA SITE - CONTAINERS

Period of Operation: UNKNOWN

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY (IAS) 1983.

**Wastes and/or Hazardous Constituents Managed:**

PAINT CANS

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-112.

Site Assessment Date:

Corrective Action Plan Date:

Comments: MINOR QUANTITIES OF POTENTIAL HAZARDOUS WASTES

Site Data Sheet

SWMU Number: S68

Name: IR-NUMBER 5  
PINEY GREEN ROAD

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: UNKNOWN

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

WASTE OIL FOR DUST CONTROL

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT ACTIVITY 13-011, APRIL 1983, PAGE 6-97. Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: MINOR CONTAMINATION POTENTIAL



Site Data Sheet

SWMU Number: S70

Name: IR-NUMBER 51  
MCAS FOOTBALL FIELD

Type of Unit: CERCLA SITE -CONTAINERS

Period of Operation: 1967-1968

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

PAINT CANS AND HYDRAULIC FLUID CANS

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-113.

Site Assessment Date:

Corrective Action Plan Date:

Comments:

MINOR QUANTITIES OF HAZARDOUS MATERIAL

**Site Data Sheet**

SWMU Number: S71

Name: IR-NUMBER 52  
MCAS DIRECT REFUEL DEPOT

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1971

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY (IAS) 1983.

**Wastes and/or Hazardous Constituents Managed:**

AVIATION FUEL SPILLS (JP FUELS)

**Release Pathways:**

- Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-114.

Site Assessment Date:

Corrective Action Plan Date:

Comments: ONLY USED ONE YEAR - QUANTITIES MINOR



Site Data Sheet

SWMU Number: S73

Name: IR-NUMBER 55  
AIR STATION EAST PERIMETER DUMP

Type of Unit: CERCLA SITE - LANDFILL

Period of Operation: 1950S-1960

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

BARRELS, TIRES, TRASH, METAL PLANKING, AND TELEPHONE POLES

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-115.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments:

NO HAZARDOUS WASTES INVOLVED

**Site Data Sheet**

SWMU Number:

Name:

Type of Unit:

Period of Operation:

**Physical Description and Condition:**

**Wastes and/or Hazardous Constituents Managed:**

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

Site Assessment Date:

Corrective Action Plan Date:

Comments:

**Site Data Sheet**

SWMU Number:

Name:

Type of Unit:

Period of Operation:

**Physical Description and Condition:**

**Wastes and/or Hazardous Constituents Managed:**

**Release Pathways:**

- Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_   
B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_   
C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_   
D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

Site Assessment Date:

Corrective Action Plan Date:

Comments:

**Site Data Sheet**

**SWMU Number:** S76

**Name:** IR-NUMBER 58  
MCAS TANK TRAINING AREA

**Type of Unit:** CERCLA SITE - WASTE PILE

**Period of Operation:** UNKNOWN

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY (IAS) 1983.

**Wastes and/or Hazardous Constituents Managed:**

TANK PARTS AND MISCELLANEOUS TRASH

**Release Pathways:**

- Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:** IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-116.

**Site Assessment Date:**

**Corrective Action Plan Date:**

**Comments:** NO HAZARDOUS WASTES INVOLVED

Site Data Sheet

SWMU Number: S77

Name: IR-NUMBER 59  
MCAS INFANTRY TRAINING AREA

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1950S

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

STUMPS

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-117.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO HAZARDOUS WASTES INVOLVED

Site Data Sheet

SWMU Number: S78

Name: IR-NUMBER 60  
EOD K-326 RANGE

Type of Unit: CERCLA SITE - SURFACE IMPOUNDMENT

Period of Operation: 1974 - PRESENT

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

BURN PITS FOR EXPLOSIVES

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-117.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: MINOR AMOUNTS OF RESIDUALS ONLY



**Site Data Sheet**

**SWMU Number:** S81

**Name:** IR-NUMBER 62  
RACE COURSE AREA DUMP

**Type of Unit:** CERCLA SITE - LANDFILL

**Period of Operation:** UNKNOWN

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY (IAS) 1983.

**Wastes and/or Hazardous Constituents Managed:**

BIVOUCAC WASTES

**Release Pathways:**

Air       Surface Water       Soil

Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:** IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-118.

**Site Assessment Date:**  

**Corrective Action Plan Date:**  

**Comments:** NO HAZARDOUS WASTES INVOLVED

**Site Data Sheet**

SWMU Number: S82

Name: IR-NUMBER 64  
MARINES ROAD - SNEADS FERRY ROAD MOGAS SPILL

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: 1975

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY (IAS) 1983.

**Wastes and/or Hazardous Constituents Managed:**

MOGAS (SPILLAGE REMOVED)

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-119.

Site Assessment Date:

Corrective Action Plan Date:

**Comments:**

SPILL IMMEDIATELY REMEDIATED

**Site Data Sheet**

**SWMU Number:** S83

**Name:** IR-NUMBER 66  
AMTRAK LANDING SITE AND STORAGE AREA

**Type of Unit:** CERCLA SITE - WASTE PILE

**Period of Operation:** 1950S TO PRESENT

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY (IAS) 1983.

**Wastes and/or Hazardous Constituents Managed:**

OIL SPILL, PETROLEUM, OIL, LUBRICANTS, AND BATTERY ACID

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:** IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-120.

**Site Assessment Date:**

**Corrective Action Plan Date:**

**Comments:** MINOR AMOUNTS OF WASTES

**Site Data Sheet**

**SWMU Number:** S84

**Name:** IR-NUMBER 67  
ENGINEERS TNT BURN SITE

**Type of Unit:** CERCLA SITE - SURFACE IMPOUNDMENT

**Period of Operation:** 1951

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY (IAS) 1983.

**Wastes and/or Hazardous Constituents Managed:**

TNT DISPOSAL

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:** IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-121.

**Site Assessment Date:**

**Corrective Action Plan Date:**

**Comments:** COMPLETE CONSUMPTION OF ALL TNT WAS REPORTED.



**Site Data Sheet**

**SWMU Number:** S86

**Name:** IR-NUMBER 71  
OAK GROVE BURIED DUMP

**Type of Unit:** CERCLA SITE - LANDFILL

**Period of Operation:** 1940S-1950S

**Physical Description and Condition:**

INITIAL ASSESSMENT STUDY (IAS) 1983.

**Wastes and/or Hazardous Constituents Managed:**

PAINT THINNER, BRAKE FLUID AND CLEANING COMPOUND CANS, BOTTLES AND DRUMS

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:** IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-123.

**Site Assessment Date:**

**Corrective Action Plan Date:**

**Comments:** MINOR QUANTITIES OF POTENTIALLY HAZARDOUS WASTES INVOLVED. SITE NO LONGER  
UNDER JURISDICTION OF CAMP LEJEUNE.



Site Data Sheet

SWMU Number: S88

Name: IR-NUMBER 8  
FLAMMABLE STORAGE WAREHOUSE BLDG. TP-451 AND TP-452

Type of Unit: CERCLA SITE - WASTE PILE

Period of Operation: CURRENT

Physical Description and Condition:

INITIAL ASSESSMENT STUDY (IAS) 1983.

Wastes and/or Hazardous Constituents Managed:

ASSORTED FLAMMABLES

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

IAS, NAVAL ENERGY AND ENVIRONMENTAL SUPPORT  
ACTIVITY 13-011, APRIL 1983, PAGE 6-98.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments:

BLDG. TP-452 BURNED IN 1977.



Site Data Sheet

SWMU Number: S254

Name: 1408  
BASE MOTOR TRANSPORT

Type of Unit: DUMPSTER

Period of Operation: 1960 - PRESENT

Physical Description and Condition:

GOOD. 6' X 6' X 7' STEEL CONTAINER WITH STEEL COVER.

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 12-24, SKETCH C26.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: LOCATED ON GRASS, PAINT CANS UNPUNCHED, 1/3 TO 1/4 OF 5 GALLONS. CITRAKLEEN INSIDE.

Site Data Sheet

SWMU Number: S255

Name: 1502-O/W-1  
MCB LOGISTICS VEHICLE MAINTENANCE

Type of Unit: OIL/WATER SEPARATOR AND GRIT CHAMBER

Period of Operation: UNKNOWN

Physical Description and Condition:

CONCRETE WITH STEEL GRATE; GRIT CHAMBER 7 FEET BY 7 FEET BY 2 FEET; OIL/WATER SEPARATOR 15 FEET BY 10 FEET BY 4 FEET

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, SOAP, GRIT AND WATER

Release Pathways:

Air  Surface Water  Soil

Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

ARLENE WATERS/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 6-16/17, SKETCH B035, PAGE A-333.  
VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 12-23, SKETCH C25.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments:

NO VISIBLE EVIDENCE OF RELEASE, BUT STRONG PETROLEUM SMELL FROM GRIT CHAMBER BECAUSE IT WAS FULL OF OIL.

Site Data Sheet

SWMU Number: S256

Name: 1700-O/W-1  
BASE MAINTENANCE

Type of Unit: OIL/WATER SEPARATOR - SURFACE IMPOUNDMENT

Period of Operation: 1984 - PRESENT

Physical Description and Condition:

CONCRETE 15 X 25 FT BY 12 FEET DEEP IN-GROUND OIL/WATER SEPARATOR

Wastes and/or Hazardous Constituents Managed:

OIL/WATER FROM MILITARY VEHICLE MAINTENANCE OPERATIONS

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

KNOWN RELEASE HISTORY.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 2-6, SKETCH A033, PAGE A-103. VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 12-22, SKETCH C24.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISIBLE ENVIRONMENTAL MEDIA/PERMANENT STRUCTURE STAINING. TAR MATERIAL APPEARS TO HAVE BEEN POURED INTO UNIT ON ONE OR MORE OCCASIONS.

**Site Data Sheet**

SWMU Number: S257

Name: 1700-O/W-2  
BASE MAINTENANCE

Type of Unit: OIL/WATER SEPARATOR - SURFACE IMPOUNDMENT

Period of Operation: 1984 - PRESENT

**Physical Description and Condition:**

CONCRETE 5 X 15 X 10 FT; STEAM WATER USED TO HEAT NO. 6 FUEL OIL IS PASSED THROUGH THE SEPARATOR.

**Wastes and/or Hazardous Constituents Managed:**

OIL/WATER

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

KNOWN TO HAVE OVERFLOWED TWICE.

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

**References:**

JIM WALDROP/VSI, FACILITY ASSESSMENT REPORT;  
ENSAFE; OCTOBER 1995, ROLL 2-7, SKETCH A33,  
PAGE A-105.

Site Assessment Date:

Corrective Action Plan Date:

**Comments:**

VISIBLE RELEASE CONDITIONS NOTED.



Site Data Sheet

SWMU Number: S260

Name: 1780-O/W-1  
TRUCK COMPANY MAINT. HQ BN 2D MAR DIV

Type of Unit:

Period of Operation: 1988 - PRESENT

Physical Description and Condition:

CONCRETE 4 X 10 FT

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, WATER AND DEBRIS

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

KNOWN RELEASE HISTORY.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 13-12, SKETCH C43.

Site Assessment Date:

Corrective Action Plan Date:

Comments: VISIBLE ENVIRONMENTAL MEDIA OR PERMANENT STRUCTURE STAINING AROUND WASH AREA. REPLACEMENT OF UNIT SCHEDULED FOR NOVEMBER 1996.

Site Data Sheet

SWMU Number: S261

Name: 1780-UST-1  
TRUCK COMPANY, MAINT.. HQ BN, 2D MAR DIV

Type of Unit:

Period of Operation: 1970 - PRESENT

Physical Description and Condition:

STEEL 550 GALLONS

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, WATER

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 3-27, SKETCH A61, PAGE A-205.

Site Assessment Date:

Corrective Action Plan Date:

Comments: NO NOTED HISTORY OF RELEASE BUT REQUIRES FURTHER INVESTIGATION AND TESTING. CLOSURE RECOMMENDED DURING VSI DUE TO POOR OPERATION. PRESENTLY UNDER CONTRACT FOR REMOVAL. REPLACEMENT OF UNIT SCHEDULED FOR NOVEMBER 1996.



**Site Data Sheet**

SWMU Number:

Name:

Type of Unit:

Period of Operation:

**Physical Description and Condition:**

**Wastes and/or Hazardous Constituents Managed:**

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

Site Assessment Date:

Corrective Action Plan Date:

Comments:

SWMU Number: S265

Name: 2615-O/W  
OFFICER'S CLUB

Type of Unit: O/W SEPARATOR

Period of Operation: UNKNOWN

Physical Description and Condition:

CONCRETE 24 X 15 X 6 FT

Wastes and/or Hazardous Constituents Managed:

HEAVY NO 6 FUEL OIL

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

VISIBLE RELEASE TO SURROUNDING SOIL

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 5-34, SKETCH B30, PAGE A-321.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISIBLE RELEASE TO SURROUNDING SOIL.

Site Data Sheet

Page:

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SWMU Number: S268

Name: 522  
2D MAR DIV

Type of Unit: DUMPSTER - SOLID WASTE

Period of Operation: 1960? - PRESENT

Physical Description and Condition:

6 X 6 X 7 STEEL CONTAINER WITH STEEL COVER

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE.

Release Pathways:

Air

Surface Water

Soil

Groundwater

Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OF RELEASE. UPDATE PER VSI.

Recommendations:

A. No Further Action \_\_\_\_\_

B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_

C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_

D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 13-16, SKETCH C33.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: HOUSEKEEPING ACTION. PROVIDE VSI COMMENTS

Site Data Sheet

SWMU Number: S269

Name: 816-O/W  
8TH ENGINEER 2D FSSG

Type of Unit: O/W SEPARATOR

Period of Operation: > 1983 - PRESENT

Physical Description and Condition:

CONCRETE 5 X 5 X 6 FT

Wastes and/or Hazardous Constituents Managed:

OILY WATER

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY BUT SUSPECTED.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 1-26, 27, SKETCH A14, PAGE A-51. Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: SUSPECTED VISIBLE EVIDENCE OF A RELEASE.

Site Data Sheet

SWMU Number: S272

Name: AS137-BASIN  
MCAS

Type of Unit: BASIN

Period of Operation: UNKNOWN

Physical Description and Condition:

CONCRETE 5 X 10 X 8

Wastes and/or Hazardous Constituents Managed:

OIL, GASOLINE, FUEL OIL.

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OF RELEASE

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmation Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT, ENSAFE, OCTOBER 1995, ROLL 2-24, SKETCH A42, PAGE A-131. Site Assessment Date: \_\_\_\_\_  
Corrective Action Plan Date: \_\_\_\_\_

Comments: NO VISIBLE EVIDENCE OF RELEASE.

Site Data Sheet

SWMU Number: S273

Name: BA 128/ BA 105

Type of Unit: DUMPSTER

Period of Operation: 1960? - PRESENT

Physical Description and Condition:

6' X 6' X 7' STEEL CONTAINER WITH STEEL COVER. COMPLETE PER VSI.

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE.

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 12-17, SKETCH C22.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: APPEARS TO HAVE HAD A ONE TIME RELEASE OF POL'S (BA 105).

*Site Data Sheet*

SWMU Number: S275

Name: BB-48  
CONSTRUCTION SHOP

Type of Unit: DUMPSTER

Period of Operation: 0730-1860

**Physical Description and Condition:**

6' X 6' X 7' STEEL CONTAINER WITH STEEL COVER

**Wastes and/or Hazardous Constituents Managed:**

SOLID WASTE.

**Release Pathways:**

- Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

PAST SPILL EVIDENCE.

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

Site Assessment Date:

Corrective Action Plan Date:

Comments: HOUSEKEEPING ACTION.

SWMU Number: S276

Name: BB-49  
BASE MAINTENANCE

Type of Unit: DUMPSTER

Period of Operation: 1960? - PRESENT

Physical Description and Condition:

8' X 8' X 8' OPEN STEEL DUMPSTER CONTAINING REFUSE.

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE.

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

EVIDENCE OF PETROLEUM, OIL, AND LUBRICANT SPILL. CAMP LEJEUNE HAS BASE INSTRUCTIONS AND CONDUCTS TRAINING AND INSPECTIONS TO PRECLUDE PLACEMENT OF HAZARDOUS WASTE IN SOLID WASTE DUMPSTERS.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 12-15, SKETCH C20

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: HOUSEKEEPING ACTION.

Site Data Sheet

SWMU Number: S277

Name: FC 120  
2ND FSSG, COMBAT ENGINEER BN

Type of Unit: DUMPSTER

Period of Operation: 0700-1430

Physical Description and Condition:

GOOD

Wastes and/or Hazardous Constituents Managed:

SOLID WASTE.

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

SOME STAINING.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 13-10, SKETCH C35.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: HOUSEKEEPING ACTION.

*Site Data Sheet*

SWMU Number: S279

Name: FC200-O/W  
8TH ENGINEERING 2D FSSG

Type of Unit: O/W SEPARATOR

Period of Operation: 1973 - PRESENT

**Physical Description and Condition:**

CONCRETE 5 X 10 X 6 FT

**Wastes and/or Hazardous Constituents Managed:**

OIL, WATER, DIESEL

**Release Pathways:**

- Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

KNOWN RELEASE HISTORY.

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 1-32, SKETCH A18, PAGE A-59.

Site Assessment Date:

Corrective Action Plan Date:

Comments: RECENTLY HAD A RELEASE CAUSED BY THE PUMP TRUCK WHILE REMOVING SLUDGE AND  
DEBRIS FROM UNIT. PERMANENT STRUCTURE STAINING.

**Site Data Sheet**

SWMU Number: S280

Name: FC285-AST  
MAINTENANCE BATTALION, 2D FSSG

Type of Unit: ABOVE GROUND STORAGE TANK

Period of Operation: UNKNOWN

**Physical Description and Condition:**

STEEL 550 GALLONS

**Wastes and/or Hazardous Constituents Managed:**

USED OIL

**Release Pathways:**

- Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

SUSPECTED VISIBLE EVIDENCE OF RELEASE.

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmation Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 1-17, SKETCH A8, PAGE A-29.

Site Assessment Date:

Corrective Action Plan Date:

Comments: CLOSURE RECOMMENDED DURING VSI DUE TO POOR OPERATION. PRESENTLY UNDER  
CONTRACT FOR REMOVAL.

Site Data Sheet

SWMU Number: S283

Name: RELEASE (FC279)  
8TH MOTOR TRANSPORT 2D FSSG

Type of Unit:

Period of Operation: UNKNOWN

Physical Description and Condition:

UNKNOWN

Wastes and/or Hazardous Constituents Managed:

ORGANICS

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

Site Assessment Date:

Corrective Action Plan Date:

Comments:

NOTED A POTENTIAL OIL STAIN IN FRONT OF UNIT.

SWMU Number: S284

Name: S947-CONTAINER ENVIRONMENTAL MANAGEMENT

Type of Unit: DUMPSTER

Period of Operation: UNKNOWN

Physical Description and Condition:

STEEL ROLL-OFF, WAS UNPAVED AT ONE TIME, NOW ASPHALTED; 20 X 30 FT IN NEW CONDITION.

Wastes and/or Hazardous Constituents Managed:

SPILLED PETROLEUM AND SOIL.

Release Pathways:

- Air [ ] Surface Water [ ] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

EVIDENCE OF A RELEASE DURING FIRST VSI, THE SOILS HAVE BEEN MOVED AND THE SITE HAS BEEN PAVED. CONFIRMATION SAMPLING IS RECOMMENDED..

Recommendations:

- A. No Further Action [ ] B. Corrective Action Currently Under the UST Program (DEM) [ ] C. Corrective Action Currently Under the Installation Restoration Program [ ] D. Confirmational Sampling or CERCLA (PA/SI) [x]

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 7-14, SKETCH B064, PAGE A-405

Site Assessment Date:

Corrective Action Plan Date:

Comments: PREVIOUS SOIL STAINING COULD NOT BE EVALUATED IN 1996 VSI SINCE THE SITE HAS BEEN PAVED.

Site Data Sheet

SWMU Number: S285

Name: S947-O/W  
ENVIRONMENTAL MANAGEMENT

Type of Unit: OIL/WATER SEPARATOR

Period of Operation: APPROX. 1980

Physical Description and Condition:

CONCRETE IN-GROUND OIL/WATER SEPARATOR CONNECTED TO WWTP

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, PHOTO FIXER, GRIT & WATER

Release Pathways:

Air  Surface Water  Soil

Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

UNKNOWN PAST RELEASE HAS OCCURRED.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 7-10/11, SKETCH B062, PAGE A-401.  
VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 12-27, SKETCH C28.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISIBLE EVIDENCE OF RELEASE TO O/W DISCHARGE.

**Site Data Sheet**

SWMU Number: S286

Name: S947-PILE  
ENVIRONMENTAL MANAGEMENT

Type of Unit: WASTE PILE

Period of Operation: UNKNOWN

**Physical Description and Condition:**

CONCRETE 100 X 40 WITH DISCHARGE

**Wastes and/or Hazardous Constituents Managed:**

SPILLED PETROLEUM AND SOIL.

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

NO KNOWN HISTORY OF RELEASE.

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 7-8,9, SKETCH B61, PAGE A-399.

Site Assessment Date:

Corrective Action Plan Date:

Comments: VISIBLE EVIDENCE OF SOIL AND ABSORBENT RELEASES.

Site Data Sheet

SWMU Number: S288

Name: STC868-RACK  
DRMO

Type of Unit: WASHRACK

Period of Operation: 1980 - PRESENT

Physical Description and Condition:

CONCRETE WASHRACK

Wastes and/or Hazardous Constituents Managed:

HYDRAULIC FLUID.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 9-14, SKETCH B123, PAGE A-565.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISIBLE EVIDENCE OF HYDRAULIC OIL RELEASE.



Site Data Sheet

SWMU Number: S292

Name: 1106/1107-AST  
MOTOR T - AUTO HOBBY SHOP MWR

Type of Unit: ABOVE GROUND USED OIL STORAGE TANK

Period of Operation: 1980 - PRESENT

Physical Description and Condition:

STEEL AST, 500 GALLONS

Wastes and/or Hazardous Constituents Managed:

WASTE OIL AND ANTIFREEZE FROM AUTO REPAIR/HOBBY SHOP

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

PAST HISTORY OF PROBLEMS.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 7-30, SKETCH B077, PAGE A-433

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISUAL EVIDENCE OF A RELEASE. TANK REMOVED, SITE ASSESSMENT PLANNED.

Site Data Sheet

SWMU Number: S294

Name: 1203-O/W  
BASE MAINTENANCE

Type of Unit: OIL/WATER SEPARATOR

Period of Operation: 1985 - PRESENT

Physical Description and Condition:

CONCRETE 5 X 5 X 3 FT IN-GROUND OIL/WATER SEPARATOR WITH BAFFLES.

Wastes and/or Hazardous Constituents Managed:

OIL, WATER & DEBRIS

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE HISTORY.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 2-3, SKETCH A030, PAGE A-97

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: SUSPECTED VISUAL EVIDENCE OF A RELEASE.

Site Data Sheet

SWMU Number: S295

Name: 1601-AST  
2D FSSG

Type of Unit: ABOVE GROUND USED OIL TANK

Period of Operation: UNKNOWN

Physical Description and Condition:

USED MOTOR OIL FROM MILITARY VEHICLE MAINTENANCE

Wastes and/or Hazardous Constituents Managed:

USED MOTOR OIL

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE HISTORY BUT SUSPECTED.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 4-4, SKETCH A065, PAGE A-217

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: RELEASE NOTED AT DRAIN. SA SCHEDULED.

Site Data Sheet

SWMU Number: S296

Name: 1700-BASIN-B  
BASE MAINTENANCE

Type of Unit: COAL PILE RUNOFF COLLECTION BASIN

Period of Operation: UNKNOWN

Physical Description and Condition:

CONCRETE 300 X 300 FT IN-GROUND BASIN CONNECTED TO WWTP

Wastes and/or Hazardous Constituents Managed:

COAL PILE RUNOFF

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO RELEASE HISTORY.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 4-7, SKETCH A067, PAGE A-223

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO HISTORY OF RELEASE, BUT RELEASE SUSPECTED.

Site Data Sheet

SWMU Number: S297

Name: 1780-O/W-2  
TRUCK COMPANY MAINT., HQ BATTERY, 2D MAR DIV

Type of Unit: OIL/WATER SEPARATOR

Period of Operation: UNKNOWN

Physical Description and Condition:

STEEL 2 X 3 X 7; CONNECTED TO WWTP. UNIT IS BEING MODIFIED TO ELIMINATE STORMWATER BYPASS AND PREVENT FUTURE RELEASES.

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, WATER DEBRIS

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE HISTORY NOTED.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: 1) VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 3-27, SKETCH A061, PAGE A-201.  
2) CONTRACT 96-4406 "CORRECT DISCREPANCIES TO OIL/WATER SEPARATORS"

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISUAL RELEASE CONDITIONS NOTED. THE EQUIPMENT SEPARATES OIL FROM WATER, DIRECTING THE OIL TO A 550 GALL UST. THE O/W SEPARATOR APPEARED FULL, POSSIBLY THE UST WAS FULL. REPLACEMENT OF UNIT SCHEDULED IN NOVEMBER 1996.

Site Data Sheet

SWMU Number: S298

Name: 1780-O/W-3  
NEAR BLDG. 1780

Type of Unit: OIL/WATER SEPARATOR

Period of Operation: ACTIVE

Physical Description and Condition:

2 X 3 X ? FT IN-GROUND UNIT, CONNECTED TO WWTP. UNIT IS BEING MODIFIED TO ELIMINATE FUTURE RELEASES.

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, WATER DEBRIS

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

POTENTIAL EVIDENCE OF RELEASE NOTED.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: 1) VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 3-29, SKETCH A061, PAGE A-207.  
2) CONTRACT 96-4406 "CORRECT DISCREPANCIES TO OIL/WATER SEPARATORS"

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISUAL RELEASE CONDITIONS NOTED. THE EQUIPMENT SEPARATES OIL FROM WATER, DIRECTING THE OIL TO A 550 GALL. UST. THE O/W SEPARATOR APPEARED FULL, POSSIBLY THE UST WAS FULL. REPLACEMENT OF UNIT SCHEDULED IN NOVEMBER 1996.

Site Data Sheet

SWMU Number: S299

Name: AS114-AST  
MCAS AUTO HOBBY SHOP

Type of Unit: ABOVE GROUND USED OIL TANK

Period of Operation: 1992 - PRESENT

Physical Description and Condition:

STEEL, SELF CONTAINED WITH STEPS

Wastes and/or Hazardous Constituents Managed:

USED MOTOR OIL FROM PERSONAL VEHICLE MAINTENANCE SHOP

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF A RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 8-34/35, SKETCH B111, PAGE  
A-531

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISUAL EVIDENCE OF A RELEASE TO ASPHALT.

Site Data Sheet

SWMU Number: S300

Name: AS118-AST  
LOGISTIC MOTOR TRANSPORTATION

Type of Unit: ABOVE GROUND STORAGE TANK

Period of Operation: 1992 - PRESENT

Physical Description and Condition:

STEEL, SELF CONTAINED WITH STEPS

Wastes and/or Hazardous Constituents Managed:

USED MOTOR OIL FROM MILITARY VEHICLE MAINTENANCE OPERATORS

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 8-33, SKETCH B110, PAGE A-529

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments:

VISUAL EVIDENCE OF A RELEASE, SPILLAGE ON ASPHALT.

Site Data Sheet

SWMU Number: S301

Name: AS4115-AST  
HMLA 167, MAG 26, 2D MAW

Type of Unit: ABOVE GROUND STORAGE TANK

Period of Operation: 1983 - PRESENT

Physical Description and Condition:

STEEL TANKS WITH CONCRETE SECONDARY CONTAINMENT

Wastes and/or Hazardous Constituents Managed:

USED OIL, HYDRAULIC FLUID, AND FUEL

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 8-17, SKETCH B095, PAGE A-489

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISUAL EVIDENCE OF A RELEASE IN THE SECONDARY CONTAINMENT.

Site Data Sheet

SWMU Number: S302

Name: AS504-AST  
HMH 362 (AS 566)

Type of Unit: ABOVE GROUND STORAGE TANK

Period of Operation: 1983 - PRESENT

Physical Description and Condition:

STEEL TANK WITH CONCRETE SECONDARY CONTAINMENT

Wastes and/or Hazardous Constituents Managed:

ENGINE OIL, HYDRAULIC FLUID, TRANSMISSION OIL

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 8-6, SKETCH B085, PAGE A-457

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISUAL EVIDENCE OF RELEASE, 1 GALLON OR LESS.

Site Data Sheet

SWMU Number: S303

Name: AS515-AST-E  
HMM 266 HMM 261

Type of Unit: ABOVE GROUND STORAGE TANK

Period of Operation: 1983 - PRESENT

Physical Description and Condition:

CONCRETE SECONDARY CONTAINMENT, STEEL TANKS

Wastes and/or Hazardous Constituents Managed:

USED ENGINE OIL, HYDRAULIC OIL, FUEL

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 8-7, SKETCH B086, PAGE A-461

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISUAL EVIDENCE OF RELEASE.

Site Data Sheet

SWMU Number: S304

Name: BA130-O/W  
MOTOR T, 2D RECON BN, 2D MAR DIV

Type of Unit: OIL/WATER SEPARATOR

Period of Operation: 1980 - PRESENT

Physical Description and Condition:

O/W 15 X 6 X 4 FT IN-GROUND OIL/WATER SEPARATOR CONNECTED TO DRAIN FIELD

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, GRIT AND WATER

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 6-30, SKETCH B047, PAGE A-363

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO VISUAL EVIDENCE OF RELEASE. DISCHARGES TO DRAIN FIELD. RECOMMENDED REPLACEMENT OF UNIT.

Site Data Sheet

SWMU Number: S305

Name: BB224-PILE  
MCB

Type of Unit: SOIL PILE

Period of Operation: UNKNOWN

Physical Description and Condition:

CONCRETE AND EARTH 45 X 32 FT

Wastes and/or Hazardous Constituents Managed:

GREASE AND CONTAMINATED SOIL.

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

UNKNOWN RELEASE HISTORY.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 5-25, SKETCH B022, PAGE A-299

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISUAL EVIDENCE OF GREASE ON THE GROUND AND FUEL-SOAKED SOIL.

Site Data Sheet

SWMU Number: S306

Name: FC230-O/W-1  
8TH COMMUNICATIONS BN, 2D SRIG

Type of Unit: OIL/WATER SEPARATOR

Period of Operation: 1988 - PRESENT

Physical Description and Condition:

CONCRETE 8 X 20 X 12 FT IN-GROUND TANK CONNECTED TO WWTP

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, WATER & DEBRIS FROM VEHICLE MAINTENANCE OPERATORS

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

POSSIBLE RELEASE HISTORY.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 10-0/1, SKETCH A048, PAGE A-145

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: DID APPEAR TO HAVE OVERFLOW FROM INITIAL GRIT CHAMBER. VISUAL ENVIRONMENTAL MEDIA OR PERMANENT STRUCTURE STAINING.

Site Data Sheet

SWMU Number: S307

Name: G649-RACK  
BASE MAINTENANCE

Type of Unit: VEHICLE WASH RACK

Period of Operation: UNKNOWN

Physical Description and Condition:

CONCRETE 10 X 25 FT WASH PAD.

Wastes and/or Hazardous Constituents Managed:

OIL, WATER, GREASE, DEBRIS.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

KNOWN RELEASE HISTORY.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 2-22, SKETCH A041, PAGE A-129

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments:

VISUAL ENVIRONMENTAL MEDIAL OR PERMANENT STRUCTURE STAINING AROUND WASH RACK AREA. KNOWN RELEASE HISTORY.

Site Data Sheet

SWMU Number: S308

Name: GP19-O/W  
8TH ENGINEERS 2ND FSSG

Type of Unit: OIL/WATER SEPARATOR

Period of Operation: 1983 - PRESENT

Physical Description and Condition:

CONCRETE 4 X 6 X 6 FT IN-GROUND OIL/WATER SEPARATOR CONNECTED TO SANITARY SEWER. THE STRUCTURE IS BEING REBUILT TO ADD A COALESCING FILTER AND TO PREVENT OVERFLOW.

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, WATER FROM MILITARY VEHICLE MAINTENANCE OPERATORS.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN RELEASE HISTORY.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References:

1) VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 1-28/29, SKETCH A015, PAGE A-53.  
2) CONTRACT 96-4406 "CORRECT DISCREPANCIES AT OIL/WATER SEPARATORS"

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments:

VISUAL RELEASE CONDITION NOTED. CURRENTLY OVERFLOWING, THEREFORE, NOT UTILIZED. NOTED OILY SHEEN ON WATER, WATER FLOWING FROM WASH RACK ONTO GROUND THROUGH MAN-MADE TRENCH. OILY WATER POOLING ON GROUND IN TWO AREAS.

Site Data Sheet

SWMU Number: S309

Name: NH118-UST  
NEAR BLDG. NH 118

Type of Unit: UNDERGROUND USED OIL STORAGE TANK

Period of Operation: ACTIVE

Physical Description and Condition:

UST

Wastes and/or Hazardous Constituents Managed:

USED OIL

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO HISTORY OR EVIDENCE OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, SKETCH B029

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISUAL EVIDENCE OF OIL SPILLS. RECOMMENDED CLEANUP ACTION.

Site Data Sheet

SWMU Number: S310

Name: PT33-POND-O/W  
MCB KITCHEN GREASE CONTRACTOR

Type of Unit: GREASE DEWATERING UNIT

Period of Operation: UNKNOWN

Physical Description and Condition:

TWO EARTHEN PONDS WITH CONCRETE O/W SEPARATOR. USED TO DEWATER GREASE PRIOR TO DISPOSAL IN SANITARY LANDFILL.

Wastes and/or Hazardous Constituents Managed:

KITCHEN GREASE. BASE DIRECTIVES AND TRAINING PRECLUDE INTENTIONAL DISPOSAL OF NON-KITCHEN OR HAZARDOUS WASTE IN GREASE TRAP WHICH ARE THE SOURCE OF WASTE.

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

UNKNOWN RELEASE HISTORY.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: 1) VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 5-35, SKETCH B031, PAGE A-323.  
2) CONTRACT 96-4396 "CONSTRUCT GREASE TRAP WASTE FACILITY"

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: A RELEASE OF GREASE IS VISUALLY EVIDENT. UNIT IS SCHEDULED FOR REMOVAL/REPLACEMENT IN NOVEMBER 1996.

**Site Data Sheet**

SWMU Number: S311

Name: S1619-O/W  
8TH COMMUNICATIONS BN, 2D SRIG

Type of Unit: OIL/WATER SEPARATOR

Period of Operation: 1989 - PRESENT

**Physical Description and Condition:**

CONCRETE 5 X 5 X 5 FT IN-GROUND OIL/WATER SEPARATOR, CONNECTED TO WWTP.

**Wastes and/or Hazardous Constituents Managed:**

OIL, GREASE, WATER AND DEBRIS FROM VEHICLE MAINTENANCE OPERATORS.

**Release Pathways:**

Air       Surface Water       Soil   
Groundwater       Subsurface Gas

**History and/or Evidence of Release(s):**

KNOWN RELEASE HISTORY.

**Recommendations:**

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 3-6, SKETCH A050, PAGE A-155      Site Assessment Date:   
Corrective Action Plan Date:

Comments: VISUAL ENVIRONMENTAL MEDIA OR PERMANENT STRUCTURE STAINING. WATER CURRENTLY  
DIVERTED INTO DRAINAGE DITCH BY MAN-MADE DRAINAGE.

Site Data Sheet

SWMU Number: S312

Name: S1735-O/W  
BASE MAINTENANCE

Type of Unit: OIL/WATER SEPARATOR

Period of Operation: 1984 - PRESENT

Physical Description and Condition:

CONCRETE 10 X 15 X 8 FT IN-GROUND OIL/WATER SEPARATOR, CONNECTED TO WWTP.

Wastes and/or Hazardous Constituents Managed:

OIL/WATER

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

RELEASE NOTED.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 2-819, SKETCH A034, PAGE A-107

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISUAL RELEASE CONDITION NOTED. LEAKS FROM OIL PIPING AND OVERFLOWING OF OIL/WATER SEPARATOR. HAD ON OCCASION POURED TAR INTO TANK.

Site Data Sheet

SWMU Number: S313

Name: S1753-O/W-AST  
SMALL CRAFT CO, HQ BN, 2D MAR DIV

Type of Unit: ABOVE GROUND STORAGE TANK AND OIL/WATER SEPARATOR

Period of Operation: UNKNOWN

Physical Description and Condition:

5 X 10 X 8 FT IN-GROUND OIL/WATER SEPARATOR WITH STEEL AST

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, WATER

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 10-2, SKETCH A062, PAGE A-211

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: RELEASE NOTED BY FENCE.

Site Data Sheet

SWMU Number: S314

Name: SM187-O/W  
MARINE CORPS SUPPORTED SERVICES SCHOOL GROUP

Type of Unit: OIL/WATER SEPARATOR

Period of Operation: 1990 - PRESENT

Physical Description and Condition:

CONCRETE 5 X 5 X 6 FT IN-GROUND OIL/WATER SEPARATOR, CONNECTED TO WWTP

Wastes and/or Hazardous Constituents Managed:

OIL, WATER AND DEBRIS FROM MILITARY VEHICLE MAINTENANCE OPERATORS

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

RELEASE CONDITIONS NOTED.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 6-5/6, SKETCH A026, PAGE A-85

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: RELEASE NOTED. APPEARS TO HAVE OVERFLOWED IN PAST AS TRENCHES LEAD TOWARD RIVER. HEAVY RAINFALL HAS CAUSED OVERFLOW ACCORDING TO CAMP JOHNSON PERSONNEL.

Site Data Sheet

SWMU Number: S315

Name: SM269-BASIN  
NEAR BLDG. M 200

Type of Unit: CONTAINMENT BASIN

Period of Operation: ACTIVE

Physical Description and Condition:  
CONCRETE 10 X 15 FEET IN-GROUND UNIT

Wastes and/or Hazardous Constituents Managed:  
OIL, GREASE, WATER AND DEBRIS.

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):  
NO RELEASE HISTORY.

- Recommendations:
- A. No Further Action \_\_\_\_\_
  - B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
  - C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
  - D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 3-22, SKETCH A059, PAGE A-189

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISUAL RELEASE CONDITIONS NOTED, STAIN ON GRASS AROUND UNIT. UNITS' INTERIOR WALLS ARE PETROLEUM STAINED.

Site Data Sheet

SWMU Number: S316

Name: TC773-O/W  
SCHOOL OF INFANTRY

Type of Unit: OIL/WATER SEPARATOR

Period of Operation: 1985 - PRESENT

Physical Description and Condition:

CONCRETE 5 X 10 FT IN-GROUND UNIT CONNECTED TO WWTP

Wastes and/or Hazardous Constituents Managed:

OIL, WATER AND DEBRIS FROM MILITARY VEHICLE MAINTENANCE OPERATORS.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 2-17, SKETCH A039, PAGE A-121

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: OIL WAS NOTED AROUND THE UNIT.



Site Data Sheet

SWMU Number: S318

Name: AS515-O/W  
NEAR BLDG. AS 515

Type of Unit:

Period of Operation: ACTIVE

Physical Description and Condition:

6 X 6 CONCRETE IN-GROUND OIL/WATER SEPARATOR

Wastes and/or Hazardous Constituents Managed:

OILY WATER.

Release Pathways:

- Air
- Surface Water
- Soil
- Groundwater
- Subsurface Gas

History and/or Evidence of Release(s):

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE;  
OCTOBER 1995, ROLL 8-20/21, SKETCH B098, PAGE  
A-501

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: VISUAL EVIDENCE OF A RELEASE.

Site Data Sheet

SWMU Number: S319

Name: CAMP GEIGER WASTEWATER TREATMENT PLANT

Type of Unit: TERTIARY WASTEWATER TREATMENT PLANT

Period of Operation: 1941 - PRESENT

Physical Description and Condition:

FAIR CONDITION. FOR DESCRIPTION, SEE APPENDIX E THE FACILITY HAS THE FOLLOWING UNITS; INFLUENT PUMP STATION, GRIT CHAMBER AND COMMUNOTORS, AERATED EQUALIZATION BASIN, DUAL PRIMARY CLARIFIERS, DUAL TRICKLING FILTERS, DUAL SECONDARY CLARIFIERS, DUAL ANAEROBIC DIGESTORS, SLUDGE DRYING BEDS, DUAL TERTIARY TREATMENT UNITS (POLYMER ADDITION, SETTLING, AND SAND FILTRTION), AND CHLORINE CONTACT CHAMBER

Wastes and/or Hazardous Constituents Managed:

DOMESTIC SEWAGE.

Release Pathways: Air [ ] Surface Water [x] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE. HISTORY OF INFLOW OF STORMWATER AND RELEASE OF INFLUENT.

Recommendations:

- A. No Further Action [ ]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmation Sampling or CERCLA (PA/SI) [x]

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 14-7, SKETCH C39. Site Assessment Date: Corrective Action Plan Date:

Comments: WWTP'S ARE PERIODICALLY INSPECTED BY STATE PERSONNEL. THE PLANT WILL BE DEMOLISHED UPON COMPLETION OF THE NEW WWTP IN 1998.

Site Data Sheet

SWMU Number: S336

Name: PAINT STRIPPER, BLDG..... 4106, MALS 29

Type of Unit: PAINT STRIPPER - TANK

Period of Operation: UNKNOWN

Physical Description and Condition:

TWO 5.5 GALLON CONTAINERS ELEVATED ABOUT 5' OFF THE GROUND IN AN ENCLOSED BUILDING. BOTH CONTAINERS ARE ABOUT 4 FEET BY 3 FEET BY 2 FEET AND MADE OF EITHER STEEL OR ALUMINUM.

Wastes and/or Hazardous Constituents Managed:

ONE CONTAINER HOLDS METHYLENE CHLORIDE USED IN STRIPPING PAINT. THE OTHER CONTAINS WATER AND RESIDUE METHYLENE CHLORIDE. CONTENTS FROM BOTH CONTAINERS ARE DRAINED INTO 55-GALLON DRUMS AND DISPOSED OF AS HAZARDOUS WASTE.

Release Pathways: Air [X] Surface Water [ ] Soil [ ] Groundwater [ ] Subsurface Gas [ ]

History and/or Evidence of Release(s):

STAINS ON THE FLOOR EXTEND FROM THE UNITS TO THE FLOOR DRAIN, INDICATING PROBABLE RELEASES INTO THE FLOOR DRAIN.

Recommendations:

- A. No Further Action [ ]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [X]

References: CPL... DRILLING. VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 14-2, SKETCH C-13, PAGE 168. Site Assessment Date: Corrective Action Plan Date:

Comments: SAMPLING NEEDS TO BE PERFORMED AT THE END OF THE FLOOR DRAIN. THIS WILL DETERMINE ANY OFF-SITE IMPACTS.

SWMU Number: S337

Name: PAINT STRIPPER, BLDG.. 518, MALS 26

Type of Unit: PAINT STRIPPER - TANK

Period of Operation: UNKNOWN

Physical Description and Condition:

TWO 5.5 GALLON CONTAINERS ELEVATED ABOUT 5' OFF THE GROUND IN AN ENCLOSED BUILDING. BOTH CONTAINERS ARE ABOUT 4 FEET BY 3 FEET BY 2 FEET AND MADE OF EITHER STEEL OR ALUMINUM.

Wastes and/or Hazardous Constituents Managed:

ONE CONTAINER HOLDS METHYLENE CHLORIDE USED IN STRIPPING PAINT. THE OTHER CONTAINS WATER AND RESIDUE METHYLENE CHLORIDE. CONTENTS FROM BOTH CONTAINERS ARE DRAINED INTO 55-GALLON DRUMS AND DISPOSED OF AS HAZARDOUS WASTE.

Release Pathways: Air [x] Surface Water [x] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

NO FLOOR DRAIN IN ROOM. HOWEVER, WHEN THE FLOOR IS WASHED, PERSONNEL MAY PUSH THE WASTEWATER DIRECTLY OUTSIDE, AS EVIDENCED BY A FLOOR SQUEEGEE SEEN IN THE ROOM.

Recommendations:

- A. No Further Action [ ]
B. Corrective Action Currently Under the UST Program (DEM) [ ]
C. Corrective Action Currently Under the Installation Restoration Program [ ]
D. Confirmational Sampling or CERCLA (PA/SI) [x]

References: PFC. CAMIDGE, CPL. LEDAY. VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 14-1, SKETCH C-14, PAGE 168

Site Assessment Date:

Corrective Action Plan Date:

Comments: CONFIRMATION SAMPLE OUTSIDE OF ROOM WHERE WASTEWATER MAY HAVE BEEN DISPOSED.

Site Data Sheet

SWMU Number: S339

Name: SANDBLASTER, BLDG.. 4146, MALS 26

Type of Unit: SANDBLASTER

Period of Operation: DECEMBER 1995 - PRESENT

Physical Description and Condition:

20 FEET BY 15 FEET ENCLOSED TARP WHICH HAD SANDBLAST GRIT AND EQUIPMENT INSIDE. PAINT IS REMOVED FROM EQUIPMENT INSIDE OF THE TARP.

Wastes and/or Hazardous Constituents Managed:

HEAVY METALS

Release Pathways:

- Air [x] Surface Water [x] Soil [x] Groundwater [x] Subsurface Gas [ ]

History and/or Evidence of Release(s):

SANDBLAST GRIT HAD MIGRATED INTO A NEARBY STORM DRAIN. ALSO HAD AIR DUCTS BEHIND THE TARP WHICH LED TO ANOTHER STORM DRAIN. GRIT WAS THERE AS WELL. A MISLABELED 55-GALLON DRUM ALSO CONTAINED SOME SANDBLAST GRIT AS WELL.

Recommendations:

- A. No Further Action [ ] B. Corrective Action Currently Under the UST Program (DEM) [ ] C. Corrective Action Currently Under the Installation Restoration Program [ ] D. Confirmational Sampling or CERCLA (PA/SI) [x]

References: PFC. CAMIDGE. VSI, FACILITY ASSESSMENT REPORT; ENSAFE; JULY 1996, ROLL 11-26, SKETCH C15.

Site Assessment Date:

Corrective Action Plan Date:

Comments: FURTHER SAMPLING IS RECOMMENDED, BECAUSE OF THE OBVIOUS RELEASES INTO THE STORM DRAIN.

Site Data Sheet

SWMU Number: S5

Name: 575-RACK  
2ND LAI, 2D MAR DIV

Type of Unit: WASH RACK - SURFACE IMPOUNDMENT

Period of Operation: UNKNOWN

Physical Description and Condition:

CONCRETE 50 X 30 FT; CONCRETE VEHICLE WASHRACK.

Wastes and/or Hazardous Constituents Managed:

OIL, GREASE, AND FUEL.

Release Pathways: Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

KNOWN HISTORY OF RELEASE.

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, SKETCH B54.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO VISIBLE EVIDENCE OF RELEASE. KNOWN HISTORY OF RELEASE, LARGE SCOUR HOLE, WATER QUALITY SAMPLING HAS BEEN PERFORMED, SCRAP METAL BENDS ARE ADJACENT TO DISCHARGE.

Site Data Sheet

SWMU Number: S89

Name: SLCH785-BASIN  
BASE MAINTENANCE

Type of Unit: SPILL CONTAINMENT BASIN - SURFACE IMPOUNDMENT

Period of Operation: ACTIVE

Physical Description and Condition:

CONCRETE 15 X 10 FT

Wastes and/or Hazardous Constituents Managed:

OILY WATER.

Release Pathways:

Air  Surface Water  Soil   
Groundwater  Subsurface Gas

History and/or Evidence of Release(s):

NO EVIDENCE OF RELEASE

Recommendations:

- A. No Further Action \_\_\_\_\_
- B. Corrective Action Currently Under the UST Program (DEM) \_\_\_\_\_
- C. Corrective Action Currently Under the Installation Restoration Program \_\_\_\_\_
- D. Confirmational Sampling or CERCLA (PA/SI) \_\_\_\_\_

References: JIM WALDROP/VSI, FACILITY ASSESSMENT REPORT; ENSAFE; OCTOBER 1995, ROLL 2-12, SKETCH A36, PAGE A-113.

Site Assessment Date: \_\_\_\_\_

Corrective Action Plan Date: \_\_\_\_\_

Comments: NO HISTORY OR VISIBLE EVIDENCE OF RELEASE. VSI NOTED RELEASE CONDITIONS: NONE NOTED, BUT POSSIBLE.